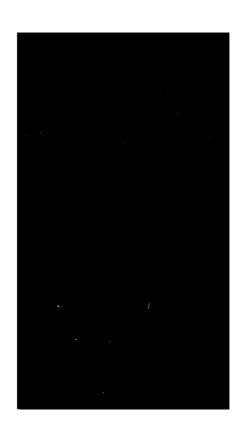


MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A



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1. REPORT NUMBER 2. GOVY ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
DR 1300 AD-A12968	10
4. TITLE (and Subtitio) 14826 A Lance	5. TYPE OF REPORT & PERIOD COVERED
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Round Number 387 ACT	5. PERFORMING ORG. REPORT NUMBER
7. AUTHOR(*)	8. CONTRACT OR GRANT NUMBER(*)
White Sands Meteorological Team	DA Task 1F665702D127-02
9. PERFORMING ORGANIZATION NAME AND ADDRESS	10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
11. CONTROLLING OFFICE NAME AND ADDRESS	12. REPORT DATE
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20. ABSTRACT (Continue on reverse etch if necessary and identify by block number)	
Meteorological data gathered for the launching of t Number 4585, Round Number 387 ACT are presented in	ne 14020M Lance, Missile tabular form.
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INTRODUCTION

14826A Lance, Missile Number 4585, Round Number 387 ACT, was launched from LER-3, White Sands Missile Range (WSMR), New Mexico, at 1315:05 MDT, 10 May 83. The scheduled launch time was 1230 MDT.

DISCUSSION

Meteorological data were recorded and reduced by the White Sands Meteorological Team, Atmospheric Sciences Laboratory (ASL), White Sands Missile Range, New Mexico. The data were obtained by the following methods:

1. Observations

- a. Surface
- (1) Standard surface observations to include pressure, temperature ($^{\circ}$ C), relative humidity, dew point ($^{\circ}$ C), density (gm/m³), wind direction and speed, and cloud cover were made at the WSD Met Site at T-0 minutes.
- (2) Monitor of wind speed and direction from one anemometer was provided in the launch control room.
 - b. Upper Air
- (1) Low level wind data were obtained from RAPTS T-9 pibal observation at:

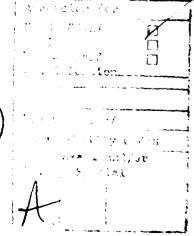
SITE AND ALTITUDE

LC-34 2760 Meters

(2) Air structure data (rawinsonde) were collected at the following Met Sites. Data were collected from surface to high as possible feet in 500-feet in crements.

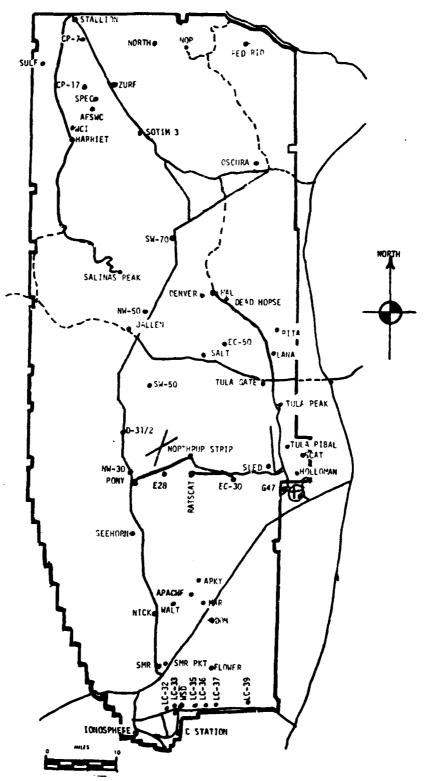
SITE AND TIME

JALLEN 0800 MDT JALLEN 1000 MDT WSD 1315 MDT NW-30 1100 MDT JALLEN 1230 MDT





WSMR METEOROLOGICAL SITES



PROJECT SUPERCE OBSERVATION

DATE May 1983 TIME PRESSURE TEMPEDATE OF OF OF STATES DESCRIPTION SPEED CHATIVE CENTINE CONTRACTOR SPEED CHATIVE CONTRACTOR SPEED VISIBILATIVE CONTRACTOR SPEED	TABLE 1								STATION MSD			
PRESSURE TETPERATURE DEW POINT NEUTIDITY BENSITY and Soft of Conference	DATE 10		1983	1						,	84.862.84 H	-3993.75
873.5 29.5 0.3 15 210 09	1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	PRESSURE	1 1	E C C C C C C C C C C C C C C C C C C C	2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	1110 00	DELATIVE RUCI DITY X	201/2013 KENSTIA	DIRECTION degs Tn	ATTO SPEED Kts	GIA-ACTEP kts	VISIBIL- ITY
	1315	873.5		29.5		0.3	15		210	60		50

					יו אווי					
SSTRUCTIONS	1,5	t LAYE	<u>.</u>	2n	d LAYE	2nd LAYER	31	rc LAY	a:	REMARKS
TO VISIBILITY	AMT	AMT TYPE HGT	1 HGT	A!⁄T	TYPE	HST	A:17	A:IT TYPE HGT	HGT	
	0	no	0 cu 6500					· · · · · · · · · · · · · · · · · · ·	•	
							-			

PSYCHROTETRIC COTPUTATION

T1:E: MOT	1315	
DRY BULB TE!"P.	29.5	
WET BULB TEMP.	13.4	
WET BULB DEPR.	16.1	
DEW POINT	0.3	
PELATIVE HUMID.	15	

PILOT BALLOON MEASURED WIND DATA

TABLE 2							
RELEASED FROM_	LC-36	DATE_	10 May 83		_TIME_	1259	
	COORDINATES (WSTM) X=_	504,466.00	γ= 190,732.16	H:	4037	.21
NOTE: WIND DI	RECTIONS ARE REFER	ENCED 1	ro	•			
HEIGHTS ARE ME	TERS AGLOR FEE	T AGL	•				
HEIGHT DIREC	TION SPEED HE	I GH T	DIRECTION	SPEED HEIGHT	DIRE	CTION	SPEED

HEIGHT AGL	DIRECTION DEGREES	SPEED KNOTS
SFC	195	05
60	209	07
120	216	10
180	212	11
240	216	14
300	220	15_
360	232	14
420	234	14
480	233	14
540	229	14
600	238	13
660	248	18
720	245	17
780	250	17
840	240	13
900	238	12
960	236	14
1020	224	13
1080	227	12
1140	225	12
1200	221	13
1 260	227	14
1320	211	13
1380	211	17
1440	200	14
1500	200	10
1560	200	12
1620	199	12

HEIGHT AGL	DIRECTION DEGREES	SPEED KNOTS
1680	216	12
1740	224	12
1800	231	12
1860	230	13
1920	227	14
1980	228	18
2040	225	19
2100	230	19
2160	228	20
2220	228	21
2280	221	22
2340	235	26
2400	227	24
2460	239	26
2520	237	27
2580	234	26
2640	234	27
2700	233	27
2760	231	29

HEIGHT AGL	DIRECTION DEGREES	SPEED KNOTS
		
		L

PILOT BALLOON MEASURED WIND DATA

TABLE	3	-								
RELEASE	FROM LC-	36		DATE	10 May 83	~ 			TIME 1315	
	C00I	RDINATES	(h	ISTM) X=	504,466.00	Y=	190	,732.16	H= 4037	.21
NOTE: W	IND DIRECT	IONS ARE	RE	FERENCED	то	•				
HEIGHTS	ARE METERS	AGL	0R	FEET AGL_						
HEIGHT	DIRECTION	SPEED		HEIGHT	DIRECTION	SPEED		HEIGHT	DIRECTION	SPEED
AGL	DEGREES	KNOTS		AGL	DEGREES	KNOTS		AGL	DEGREES	KNOTS
SFC	260	05		1680	193	07				
60	215	08		1740	195	07				
120	189	11		1800	192	10				
180	198	10		1860	201	11				
240	207	10		1920	204	14				
300	200	08		1980	198	17				
360	225	09		2040	204	20		_		
420	220	08		2100	207	17				
480	215	09		2160	222	22				
540	214	07		2220	205	14				
600	209	08		2280	188	17				
660	202	07		2340	181	13				
720	236	08	•	2400	201	13				
780	250	10		2460	221	24				
840	245	03	•	2520	229	23				
900	249	04	•	2580	232	24	1			
960	235	06		2640	229	21				
1020	244	08		2700	231	22				
1080	244	08		2760	231	23				
1140	230	08								
1 200	227	13								
1260	232	15								
1320	226	09								
1380	233	11				1				
1440	223	11								
1500	216	10								
1560	191	08				1				
1620	175	07			 	1				
\	 	+				1				
	 	+			}	 				

COMPUTER MET MESSAGE DATA 10 May 1983

JALLEN 08	OO MDT	JALLEN 1000) MDT
METCM1332		METCM133200	55
101400124	872	10160012487	73
00142005	28580872	00000000	29420873
01035002	28800862	01302005	29340862
02341001	28990837	02335006	29170838
03373002	28800798	03406009	28910799
04498017	28400752	04411010	28480753
05450013	28010708	05407010	28010709
06382014	27560666	06342017	27560667
07351020	27140625	07345024	27190627
08380028	26770587	08391024	26940588
09399026	26380551		26560552
10410027	25980516		26130517
11416028	25600483		25700485
12418028	25050437		25080438
13401032	24300380		24350382
14398036	23470330		23540331
15400046	22730285		22730286
16413058	22110245		22180246
17425053			2 1860 210
18437043	22000179		21940180
19439040	21670153		21780154
20456033	21230131		21530132
21452048	20920111		21140112
22481028	21200 095		21060096
23442017	21040081		21130082
24360004	21040069		21050069
25483011	21360059		21390059
26246008	21630050	26281014	21720051

COMPUTER MET MESSAGE DATA

10 May 83

WSD 1315 MDT	NW-30 1100 MDT	JALLEN 1230 MDT
METCM1 324064	METCM1329065	METCM1332065
101930122874	101700122874	101850124872
00373009 20500874	00409015 29920874	00427016 29940872
01436014 30160864	01387012 29720864	01313016 29790862
02450013 29600839	02396015 29490839	02342018 29500837
03407017 29160801	03386016 29120801	03392016 29140799
04418012 28630755	04357017 28590755	04412020 28670753
05392008 28100711	05319011 28090711	05395019 28150709
06348012 27640669	06332015 27610669	06384021 27650667
0 740302 3 2 721 0629	07347017 27150628	07379022 27150627
08392026 26950590	08387029 26820590	08398025 26760589
09405029 26640554	09393034 26550553	09410029 26470552
10432029 26300520	10399028 26250519	10412029 26170518
11432028 25910487	11419026 25860486	11418024 25790485
12430025 25280440	12419025 25250440	12416028 25170438
13407028 24440384	1 3399032 244403 83	13409031 24290382
14404033 23620333	14400041 23630333	1440 1 038 23510331
15427042 22860288	15407044 22860287	15410040 22830286
16433046 2235024 8	16414052 22280247	16427040 22270246
17434043 21900212	17414055 21970212	17429043 21900211
18 43 9037 218 7 01 8 2	184 42 039 220 0018 2	18427037 21760180
19433048 21720156	19430047 21800156	19420055 21690154
20443051 21370133	20429052 21390133	20428047 21480132
21432045 21080113	21425050 21250113	21440043 21230112
22424036 21100096	22440030 21350097	22429032 21090096
23439023 21120082	23446027 21340082	23444031 21330082
24368014 20960070	24427016 21090070	24435027 21040070
25345008 21440060	25488003 21420060	25410010 21380059
26325016 21750051	26269015 21870051	26215014 21790051

SIGNIFICANT	1300050	JALLEN	1 1 20 5 4
	STATION ALTITUDE 4051.00 FILL MSL	10 MAY 83 USUU MUI	ASCENSION NO. 72

4051.00 F1ET MSL 0800 MDT 72		SIGNIFIC 13 JAL TABLE	SIGNIFICANT LEVEL NATA 1300030072 JALLEN TABLE 5	٨,٨	6FODETIC COMMINATES 33-16712 LAT PEG 106-49511 LON PEG
PRESCURE		<u> </u>	TEMPERATURE	HFL.HUM.	
MILLIMARS	ALTITUOL MSL FEE1	AIR DFGREES	DEMPOINT CENTIGRANE	PFRCLNT	
67>.n	4051.0	12.0	-2.0	35.0	
963.9	4149.0	13.0	7.5-	31.0	
à5ª.5	4482.5	15.4	15.0	0.46	
85.0	4759.2	15.6	4.0	23.0	
839.1	5119.0	16.6	14.6	2.5.0	
	5778.3	16.0	7.0-	22.0	
	10092.7	5.8	-11.7	27.0	
	12547.1	-1.0	-14.1	36.0	
	13858.9.	-3.9	-17.4	0.40	
	14980.9	-6.2	-27.A	16.0	
	18780.4	-15.3	-32.6	21.0	
	2200e+8	-22.5	-34.5	20.0	
	24194.7	-27.2	-42.3	22.0	
	28843.3	-39.0	-52.2	23.0	
•	30782.6	-43.8			
-	34753.0	-50.9			
٠	35989.2	-53.9			
Ī	38010.9	-56.0			
	39459•3	-55.6			
_	40664.8	-53.2			
_	41234.3	-53.2			
-	41808.4	-52.6			
	42980.1	-53.3			
-	45530.4	-57.3			
	506.0c.4	-63.7			
	52749.8	-64.5			
	53413.2	-63.3			
	55409.8	-50.5			
	59211.0	-64.3			
	61093.6	-62.0			
_	63639.2	-61.8			
-	65018•3	-58.4			
_	64043•0	9.95-			
_	64074.9	-56.3			
	72738.6	2.45.			

10000 Trans COOC	STATION	STATION ALITIDE	L 4051.00 Frit MSL	11.PER AIR DATA 130003007	STEATURE OF STEATURE
	TO MAY)	T (#4) COOC	181.51	CHINETONIA DELIGIO
	ASCENSION 130	2 2	7.5	A LIGAT	106 to 1 1 1 1 2 to 2 5 1 1

10 MAY 83 Ascension 40	140. 72	7800 MUT	⊥ ⊋		JALLF14 TABLE 6			33. 106.	33-16712 LAT DEG 106-49511 LON DEG
GFUNETRIC ALTITUDE MSL FEEI	PRESSURE MILLIDARS	30	TELFERATURE AIR DEMPOINT GREES CENTIGRADE	hi L. Him. PERCETI	DEUSITY GMZCUBIC METER	SPEFU NF SUUMD NMOTS	WIND DATA DIR. CTION SI DEGREES(IN) RO	SPEED KROTS	THUFX OF REFRACTION
4051.0	872.0	12.0	0.8-	35.0	1065.0	ti Sike ti	90.0	5.1	1.000260
4500.0	854.0	15.4	-5-1	23.9	-		40.2	3.6	1.00049
5000.0	842.	16.3	6.4-	23.n	1012.4	D63.4	600	2.4	00024
5500.0	827.	16.3	7.5-	22.4	994.5	663.4	0.Z.o	٥.	1.000240
6000.n	812.	15.5	-6.0	22.3	4.670	_	232.4	ç	1.000236
0.6050		14.3	-6.6	22.8	96596		238.8	2.0	1.000232
70007	783.	13.1	-7.3	23.4	952.1		652	J. 6	1.000228
7500.9	769.5	11.0	9-8-	24.0	938.B	0.54.3	240.1	10.8	1.000225
8000.0	755.6	10.7	•	9•40	925.7	656.4	245.3	•	1.000221
8500.C	741.9	9.6	4.6-	25.5	912.6		253.4	17.0	1.000218
9000.0	720.5	₹ €	-10.1	25.7	4000		203.B	16.8	1.000214
9500.0	715.3	7.2	-10.8	26.3	887.6		519.6	15.5	1.000211
0000	702.4	0•9	-11.6	5 6. 95	875.3		2.675	13.8	1.000207
10500.0	689.3	4.7	-12.0	28.5	A63.2		267.0	11.8	1.000204
11000.0	670.5	3.3	-12.5	30.3	851.4		240.5	-	1.000201
1500.	663.9	1.9	-13.0	32.2	839.7		217.3	14.5	1.000198
12000.0	651.5	٠. د	-13.5	34.0	828.3		206.6	16.0	1 • 000195
12500.9	639.3	6:-	-14.1	35.A	817.0		198.4	17.6	1.000192
13000.0	627.2	-2.0	-15.3	35,3	804.9		97.	19.6	1.000189
3500.	615.3	-3.1	-16.5	34 • 5	793.0	640.	198.2	21.8	1.000185
4000	6(13.6	2.4.	-18.5	31.7	781.1		204.3	25.0	1.0001#1
14500.0	0.765	-5.5	-22.1	23.7	769.3		210.7	26.9	1.000177
15000.0	500.7	-6.5	-27.9	16.0	757.6	636.6	217.5	28.4	1.000172
15500.0	0.690	⇒·/-	-2P.4	16.7	740.1		221.1	28.0	•
15000.0	558•1	9•8-	-50.0	17.3	734.6		224.0	27.2	1.000167
15500.0	547.2	ወ ∙	-29.6	19.0	723.7		225.2	25.7	•
17000.0	330.5	11.0	-30.5	14.7	712.8		ζ0.	24.0	1.0001
17500.0	520.0	-12.2	-30.9	19.3	702.0		28.	24.8	1-000159
18000.0	515.7	1.3.4	-31.5	20.0	691.5		231.0	26.0	1.000156
18500.0	302.6	3 1	-32.5	9•0<	681.1		32.	28.0	1.000154
19000.0	495.5	-15.8	-33.1	50.9	670.0		•	29.5	1.000152
19500.0	S • 184	-16.9	-34-1	20.8	626.6		234.1	28.4	1.000149
20000-0	_	-18.0	-32-1	50°6	4.646		6.35.9	27.5	1.000146
	466.1	-161-	-36+1	20.5	639.1	621.0	2.38.2	26.4	1.000144
21000.0	450.7	C.	-37.5	20.3	659		238.8	26.3	1.000142
•	C•/++	-21.4	-39.5	20.5	619.0	_	238.7	26.5	1.000139
•	è e	-22.5	-30.5	20.0	2.609	616.A	35.	56.6	1.000137
•	5	-23.6	-30.9	ċ	5.605	613.5	232.5	27.1	•
•	2	9.46-	140.0	50.0	5.49.3	614.2	230.6	29.0	0:101
<3500.0	411.3	-55.7	-41.3	_	579.1	612.3	1.27.7	31.2	1.000130

TABLE 6 CONT. J. TABLE 106.49511 LOW INC. TABLE 106	ION AL	STATION ALITIDLE 455	-	JSH I JOL.		130003007c	17c		9r 0Dr 11	OF ODE TIL COURDINATES
TABLE CONT. Triplentine FEL. Hill. UF NSITY SELET. OF NSITY SELET. O	ASCENSION		080	MOT		JALLEN			33.	LATIP LAT UEG
PRESSUR, TEPPIRATURE REL.MIN, DEUSITY SPLEN OF WIND DATA MILLLARS DEGREE GLINGRALIE FERCENT GATCURI, SUUMO DILLARS DEGREE GLINGRALIE FERCENT GATCURI, SUUMO DILLARS DEGREE GLINGRALIE FERCENT GATCURI, SUUMO DILLARS DEGREE GLINGRALIE FERCENT GATCURI, SUUMO DILLA GATCURI, SUUMO DILLARS DILLARS DEGREE GATCURI, SUUMO DILLA GATCU					_	9	Cont'J		106.	49511 LON 1.EG
MILLIDARS DEAREY CRAIN PERCENT GATCURIO CAUGHO CAUGHES (TA) MADES METER AND STATE TO THE CAUGH C	GEUME TRIC	PRESSURE		PERATURE	KEL.HUM.		SPLED OF	WIND DA	4 11	XFUSI
934-8 -26-8 -42-1 21.8 550-1 611-6 225-9 32.7 594-8 -29-0 -44-0 22-1 550-6 610-6 225-9 32.7 590-8 -144-0 22-2 -444	- E	MILLIDARS	0		PERCENT	GM/CURIC METER	SOUND	DEGREES(TN)	S.EED ANOTS	UF REFRACTION
394.8 - 26.0 - 43.0 22.2 551.7 601.0 225.9 32.7 510.0	24000.0	403.3	-26.8	1-24-	21.8	_		754.7	33.5	1.000128
386.3 -29.2 -44.0 22.3 53.7 600.5 224.4 31.5 35.4 33.4 35.2 37.4 1 -30.5 -44.0 22.3 53.4 100.4 220.4 31.5 35.4 33.4 1 -30.5 -46.1 22.3 53.4 100.4 220.4 33.4 35.4 10.5 -45.1 22.3 63.4 10.5 224.4 22.6 22.6 22.6 22.6 22.6 22.6 22.	0.00	394.8	-28.0	-43.0	22.1	560.4		0.467	10.7	3210001
374-1 - 70.5 - 45.1 22.3 54.2.7 throad 226.4 29.6 34.0 374.1 - 70.5 - 46.1 22.4 555.3 throad 226.8 39.6 35.4 35.4 35.4 35.4 35.4 35.4 35.4 35.4	00.0	386.3	-29.5	0.55-	25.5	551.7		254.4	3.6	921110111
356.3 35	0.00	378.1	-30.5	-45.1	22.3	542.7		756.4	8.66	1.000122
354.3 -47.4 22.5 55.5 Jun. 1 220.7 30.4 30.4 35.4 34.8 -40.2 22.6 500.3 500.4 523.5 34.9 35.0 33.4 3.4 40.2 22.6 500.3 500.4 523.5 34.9 35.0 33.4 33.4 -40.2 22.6 500.3 500.4 523.5 34.9 35.0 33.4 3.24.9 -39.4 -53.5 21.1 52.9 494.2 597.3 523.5 34.9 524.9 492.2 597.3 -40.6 -56.9 15.2 4 40.0 594.1 524.2 40.8 34.9 53.4 40.8 15.2 4 40	0.00	370.0	-31.8	-46.1	22.4	533.4		220.8	29.8	1.000120
354.3 34.3 -48.2 22.6 500.3 500.4 50	0.00	362.	-33-1	7.44-	22.5	525.		7.077	30.4	1.000118
340.8 35.5 -49.4 22.7 500.5 600.6 52.5 33.6 34.9 35.2 34.9 35.2 36.2	ن 00 و	54.3	-34-3	-48.2	22.6	510.8		3.55.6	32.0	1.000116
332.1 -38.1 -58.4 -22.8	ر د د د	E * 0 # 1	-35.6	5.64-	22.7	504.5		54.6	33.6	1.000114
334.9 -384.1 -514.0 22.9 492.2 597.3 723.5 36.9 34.9 31.7 -40.4 -56.9 15.2 - 476.0 592.5 59.9 39.2 317.7 -40.4 -56.9 15.2 - 476.0 592.5 59.9 39.2 317.7 -40.4 -56.9 15.2 - 476.0 592.5 524.0 40.8 597.0 -44.2 -61.8 9.3 - 460.1 590.9 224.3 42.9 42.9 597.0 -44.2 -61.8 9.3 - 460.1 590.9 224.3 42.9 597.0 -44.2 -61.8 9.5 - 46.0 592.0 524.3 42.9 524.1 43.6 597.0 -47.8 -48.7 -46.9 52.4 524.0 45.6 52.7 -46.9 -47.8 -48.7 -46.9 52.4 524.0 45.6 52.7 -47.8 -48.7 -47.8 -48.7 -47.8 -48.7 -47.8 -48.7 -47.8 -48.7 -47.8 -48.7 -47.8 -48.7 -47.8 -48.7 -47.8 -48.7 -47.8 -47.8 -48.7 -47.8 -50.4 -52.7 -52.9 -47.8 -52.7 -52.9 -47.8 -52.7 -52.9 -47.8 -52.7 -52.9 -47.8 -52.7 -52.9 -47.8 -52.7 -52.9 -47.8 -52.7 -52.9 -47.8 -52.7 -52.9 -47.8 -52.7 -52.9 -47.8 -52.7 -52.9 -47.8 -52.7 -52.9 -47.8 -52.7 -52.9 -47.8 -47.8 -47.	00.0	334.3	-36.9	-50.4	22.8	500.3		223.6	34.9	1.000112
224.7 - 40.6 - 53.2 21.1** 484.2 505.7 224.4 40.8 39.2 310.7 - 40.6 - 54.9 9.3** 466.0 592.9 224.2 40.8 20.3 - 44.2 - 56.9 9.3** 466.0 592.9 224.3 49.9 20.3 - 44.2 - 61.8 46.0 592.9 224.3 49.9 229.0 - 44.2 - 61.8 46.0 592.9 224.3 49.9 229.0 - 44.2 - 61.8 54.1 40.9 587.2 - 224.3 49.9 226.0 - 47.8 6 50.0 20.0 20.0 20.0 20.0 20.0 20.0 20.0	00.00	532.1	-38.1	-51.4	55.9	492.2		623.5	36.9	1.000110
310.7 - "40.05 - "56.99 15.2** 476.0 594.1 224.2 40.8 30.4 40.8 451.9 592.5 224.4 42.2 40.8 292.0 3.4 4 451.9 589.5 224.4 42.2 42.4 42.2 292.0 3.4 4 451.9 589.5 224.1 42.6 42.4 42.2 224.0 42.6 220.0 3.4 4 42.0 581.9 581.2 224.0 42.6 82.2 220.0 3.4 4 42.0 52.0 52.0 52.0 52.0 52.0 52.0 52.0 5	9000	254.0	± 6€-	-53.5	21.1**	484		223.9	39.2	1.000108
297.061.8 9.5** 468.0 592.5 224.3 42.9 590.0 300.8 -43.1 -70.0 3.4** 468.1 590.9 224.3 42.0 590.0 -44.2 -70.0 3.4** 468.1 590.9 224.3 42.0 590.0 -44.2 -45.1 42.1 43.6 590.0 3.4** 451.9 590.9 524.3 42.0 590.0 -44.2 -45.1 42.0 590.0 587.2 524.3 42.0 587.2 524.3 42.0 587.2 524.3 42.0 587.2 524.3 42.0 587.2 524.3 42.0 587.2 524.3 42.0 52.7 526.9 52.7 526.0 520.0 5	0.00	21/0/	9.0%	6.9%-	15.2**	476.0		2-4-2	40.8	1.000106
29.03	0.00	.010	· · · · ·	-61·8	9.3**	468.0		224.4	42.4	1.000104
291.0 -445.1	0.00	202	1 · · · · · · · · · · · · · · · · · · ·	-70.0	****	460.1		224.3	42.9	1.000103
283.7 - 46.0 45.2 584.0 45.2 524.0 45.2 524.0 45.2 524.0 45.2 524.3 46.8 524.0 547.2 526.8 56.5 527.2 - 40.9 54.0 525.5 54.0 56.5 56.5 56.5 56.5 56.5 56.5 56.5 56		2005	V • # #			451.9		224.1	43.6	1.000101
27/2		283.7	1.047			す。のかか		224.0	45.2	1.000099
271.0 -47.8		277.0	0.01			D • 0.0 •		224.3	46.8	1.000001
264.8 -48.7 256.8 -49.6 247.1 -51.5 256.8 -53.9 247.1 -51.5 257.3 247.1 -52.7 247.1 -51.5 257.3	0.00	271.0	-47.8			2.02.5		222°	2 2 3 3 3 3 3	1.00005
256.9 -49.6 -40.4 -52.7 -40.4 -52.7 -40.4 -52.7 -40.4 -52.7 -40.4 -52.7 -40.4 -52.7 -40.4 -52.7 -40.4 -52.7 -40.4 -52.8 -57.6 -40.4 -52.8 -57.6 -40.4 -52.8 -57.6 -40.4 -52.8 -57.6 -40.4 -52.8 -57.6 -40.4 -52.8 -57.6 -40.4 -52.8 -57.6 -40.4 -52.8 -57.6 -40.4 -52.8 -57.6 -40.4 -52.8 -57.6 -40.4 -52.8 -57.6 -40.8 -57.6 -57.6 -40.8 -57.6	33500.0	264.8	-48.7			410.5		228.4	52.7	1.000093
247.1 -51.5	0.00	25d•8	9.64-			403.2		229.9	54.7	
241.4 -51.5	00.0	7.56.	1000			395.6		231.4	56.2	1.000088
235.6 -53.9	0.00	7.7.7	-51.5			388.4		732.8	57.6	1.0000.7
250.2 -54.4	2000	150	-52.			331.5		233.5	57.3	1 • nonon5
224.8 54.9 55.0 1 1 224.8 56.0 1 224.8 55.0 1 1 222.8 1 222.8 1 1 222.8 1 1 222.8 1 1 222.8 1 1 222.8 1 1 222.8 1 1 222.8 1 1 222.8 1 1 222.8 1 1 222.8 1 1 222.8 1 1 222.8 1 1 222.8 1 222.8 1 1 22		230.0	7.00			374.6		234.1	57.0	1.000083
219-6 -55-5 1 219-6 -55-5 2 219-6 -55-5 2 219-6 -55-5 2 219-6 -55-7 2 219-6 -55-7 2 219-6 -55-7 2 219-6 -55-7 2 219-6 -55-7 2 219-6 -55-7 2 219-6 -55-7 2 219-6 -55-7 2 219-6 -55-7 2 219-6 -55-7 2 219-6 -55-7 2 219-6 -55-7 2 219-6 -55-7 2 219-7 2		220.5	5 C			366.7		8.463	56.0	1.000082
201.4 574.7 53.9 1 54.9 1 57.4 574.1 53.9 1 53.0 1 53.0 1 53.0 1 53.0 1 52.1 1 54.9 52.1 1 54.9 57.6 1 55.0 1 50.0 1 52.9 57.6 1 55.0 1 50.0 1 52.9 57.6 1 52.9 1 5		210.6				359.0		235.6	55.0	1 • 0000H0
204.0 574.1 226.5 53.9 11 226.5 53.9 11 226.5 53.9 12 226.5 53.9 12 226.5 53.9 13 27.5 574.3 229.6 51.2 11 229.6 51.2 11 229.6 52.1 11 299.6 -55.5 55.6 12 2319.5 574.7 229.7 56.0 12 299.6 -53.5 55.6 12 294.5 577.8 249.5 57.6 12 295.9 57.6 12 295.9 57.6 12 295.9 57.6 12 295.9 57.6 12 295.9 57.6 12 295.9 57.6 12 295.9 57.6 12 295.9 57.6 12 295.9 57.6 12 295.9 57.6 12 295.9 57.6 12 295.9 57.6 12 295.9 57.6 12 295.9 57.6 12 295.9 57.6 12 295.9 57.6 57.6 57.6 57.6 57.6 57.6 57.6 57.6		210				h•1cc		237.1	54.9	1.000078
2044 - 55.7		****	100.1			0.440		2.8.5 2.0.5	53.9	1.000077
27.5 574.4 240.0 52.1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		200.40) () () () () () () () () () (7 - 000		9.865	51.5	1.000075
194.9 - 54.5 5.0 11 194.9 - 54.5 5.0 11 190.4 - 53.5 5.0 190.4 577.3 240.5 56.5 11 10 181.6 - 52.9 5.0 294.5 577.4 241.8 52.4 11 10 181.6 - 52.9 5.0 294.5 577.4 241.8 52.4 11 177.4 - 52.7 290.3 578.1 245.0 43.6 11 173.3 - 53.0 274.2 574.0 246.4 42.4 11		104.4	1 0 C C C C C C C C C C C C C C C C C C			527.5		240.0	52.1	1.000073
310.6 576.0 1 239.9 57.6 1 302.0 185.0 233.5 56.5 1 302.0 1877.4 240.5 56.5 1 284.5 52.4 1 1 284.5 52.4 1 1 284.5 57.7 4 247.1 39.8 1 1 277.4 247.1 39.8 1 277.4 247.1 39.8 1 277.4 247.1 39.8 1 277.4 247.1 39.8 1 277.4 247.1 39.8 1 277.4 247.1 39.8 1 277.4 247.1 39.8 1 277.4 247.1 39.8 1 277.4 246.4 42.4 1 277.4 246.2 43.7 1 277.4 246.2 43.7 1 277.4 246.2 43.7 1 277.4 246.2 43.7 1 277.4 246.2 43.7 1 277.4 246.2 43.7 1 277.4 246.2 43.7 1 277.4 277.	•	104.0	100 m			319.5		239.7	56.0	1.0007.1
185.9 -53.2 240.5 56.5 1 185.9 -53.2 294.5 577.4 241.8 52.4 1 181.6 -52.9 287.3 578.1 245.0 43.6 1 177.4 -52.7 280.3 578.4 247.1 39.8 1 173.3 -53.0 274.2 578.0 246.4 42.4 1 268.2 577.6 246.2 43.7 1	•					210.6		239.9	57.6	1.000069
294.5 577.8 241.8 52.4 1 287.5 1 245.0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		200	0.00			302.0		240.5	56.5	1.00001.7
287.3 578.1 245.0 43.6 1 77.4 -52.7 53.0 274.1 39.8 1 273.4 247.1 39.8 1 173.3 -53.0 274.2 574.1 246.4 42.4 1 264.2 577.6 246.2 43.7 1		7.001	2.55-			294.5		<41.8	52.4	1.000066
780.5 578.4 247.1 39.8 1 173.3 -53.0 278.2 578.8 246.4 42.4 1 268.2 577.6 246.2 43.7 1	•	181	-55.9			287.3		C.C.	43.6	1.000064
.0 169-2 -53-0 276-4 42-4 1 269-2 577-6 246-2 43-7 1	D	**//	-55.			280.3		247.1	39.A	1.000062
268.2 577.6 246.2 43.7 1		173.5	-53.0			274.2		546.4	45.4	1.400061
	•	V. V	0.04			268.2		240.2	43.7	1.00000

** AT LEAST ONE ASSUMEN RELATIVE HILLIDITY VALUE WAS UKED IN THE THE THILLIDID.

STATION ALTITUDE 10 MAY 83	TUDE	4051.00 Fret MSL 0800 MDT		UPPER AIL ULTA 13UADSAD7 JALLEN	UnTA 7c		6F 0DE 11	GFÖDETIC COOKNINATES
ASCENSION	•		}-	TABLE 6 (Cont'd		106.	106-49511 TON DEG
GFOME TRAC	PRESSURE	TEMPERATURE	RE L. HIM.		Ser f () of	WIND DATA	14	Inufx
MSL FEE!	MILLIUARS	5	I ENCERIT	METER	SOUME	LGREES(TW)	SPEEU	OF REFRACTION
44000.9	161.4	6.47-		257.6		546.9	41.3	1.000057
•	157.6	-55.7		252.4		247.0	37.4	1.000056
#5000.0	153.4	156.5		247.4		248.7	34.5	1.000055
•	100.1	2.1.1		242.5		250.1	32.2	1.000054
465000	140.1	0 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 - 4 -		237.5		252.7	30.1	1.000053
	139.7	1.02.		227.4	240048	7.00°2	28.5	1.00005.2
4 7500.0	9	-59.8		222.6		257.1	31.2	1.000001
•	133.1	p-09-		217.9	-	6*557	33.7	1.00049
•	229.0	-61.0		213.3		255.4	35.0	1.000048
49000-0	126.7	-61.7		208.8	_	0.55,7	36.0	1.000046
0.00004	120.7	20.00		204.4		254.7	36.4	1.000046
50500	117.8	-64.6		0.00%		3.462	36.7	1.000045
	114.9	2 C C C C C C C C C C C C C C C C C C C		1,00 1,00		255.7	36.7	1.000044
	112.1			196.2		9*0c×	37.6	1.000043
52000.0	109.4	14.00		182.4	30.34	5,00,0	43.0	2,0000.1
	106.7	5-59-		178.1		253.1	1.00	7 5 0000 7
53000.0	104.1	2.49-		173.6		250.8	67.7	1.0000
53500.0	101.6	-63.7		168.9		253.1	59.8	1.000038
3.000.5	1.00	# 225 F		164.1		258.7	46.7	1.000037
250000	300	141.5 140.1		159.2		268.0	33.7	1.000035
55500.0		1 m		150.0	568•4	28/.0	22.1	1.000034
56000.0		-60.0		146.9		246. 798.2	2007	1.000033
56500.0	81.7	7.09-		143.6		574.9	10.1	1.000032
57.00.0	85.6	-61.3		140.7		263.7	10.8	1.00001
5.000.C	C 4	162.0		137.0		254.4	11.9	1.0000.1
0.0000	010	1.24		ტ• ტ€ ¶	-	2.52.5	14.2	1.000030
0.0000	0.67	165.5		132.0		252.3	16.8	1.000029
54500.0	77			2.67		250.1	18.2	1.000029
600000	7.5.9	0 * FD * F		1.051	563.5	7 th 2	17.6	1.000028
60500.0	7.1	7.63-		110		201.8	5.7	1.000027
•	70.3	-(,2.1		110.1	265.0	218.1	11.0	1.000027
0.00519	9•99	- 62.0		113.2		715.7	3.01	1.00005
•	67.0	-41.9		110.4		222.1	9.0	1.000025
e. 6	6.00	5.1.6		107.6	560.02	2,252	8.7	1.000024
63500.0	0000	7 · I · I		105.	566.3	256.6	7.7	1.000023
				102.0	566.4	262.1	8.3	1.000023

STATION ALIIT In may 23 Ascensian 40.	11TUDL 4n5 10. 72	STATION ALTITUDE 4.51.00 FLFT SL 10 may 23 Ascension 40. 72	TA	UPPER AIR DAIA 130003007 JALLEN TABLE 6 Cont'd	DwlA 7c ont'd		5. ONF T1. 33. 106.	GEODETIC COMMPINATES 33-14,712 LAT DEG 1U6-49511 LON DEG
GEOMETRIC ALTITUDA MSL FEEL	PRESSUR _E MILLIBARS	TEMPERATUPE AIR DEWPOINT DEGREES CENTIGRADE	hel.Hum. Percent	HEL.HUM. DFNSITY PERCENT GM/CURIC METER	SETED OF SOURD NOTS	WIND DATA	1A SPEEU Kriots	INJEX OF REFRACTION
04000.0	60.7	-40.9		7.66	567.4	293.9	8.3	1.000022
64500.0	54.3	-59.7		66.7	2.699	304.1	8.3	1.000022
65000.0	57.9	-58·t		93.9	570.A	310.0	7.4	1.000021
65500.0	50.5	-58.1		91.5	571.5	311.8	5.3	1.000020
66000.0	55.1	-57.8		89.5		316.4	3.1	1.000020
66506.0	53.8	-57.5		87.0		70.6	1.2	1.000019
67000.0	25•6	-57.2		84.8		108.8	4.6	1.000019
67500.n	51.3	6.9%-		A2.7	572.9	117.7	7.4	1.000018
68nun.o	50.1	-56.6		80.6		123.8	6.6	1.000018
68500.0	46.9	-50.5		78.7		128.7	11.3	1.000018
69000.0	47.8	-56.5		70.8		140.8	9.6	1.000017
69500. 0	40.6	1.66.4		75.0		101.9	6.6	1.000017
700nn.o	40.5	-56.3		73.2		167.1	0.9	1.00016
70500.0	44.5	-55.9		71.3		172.3	5,5	1.00016
71000.0	さっつか	-45.5		69.5				1.000015
71500.0	45.4	-55•1		67.6				1.000015
72000.0	43.4	-54.8		66.1				1.000015
72500.0	40.5	サ・カ シー		44.4				1.000014

STATION ALITTUDE 'S 10 MAY 63 ASCENSION NO. 7.	L 4951.10 FrET MSL 0300 MDT	. MSL	AM C	MANDATORY LEVELS 1300030072 JALLEN	F v F L. S 7c		9r OD: TIC COORDINATES 33-14712 LAT DEG
	!		IAB	I ABLE /			106+49511 LON REG
	PRESCURE GLOPOTENITAL	OPOTENI IAL	TEMPE	TEMPERATURE PERIODIAN	RE L. HOM.	WIND DATA	Unia
	MILLINARS	FLET	JEGREES C	DEGREES CENTIGRADE		DIRECTION (IN)	I CPLED I) KNOTS
	₽ 51.	4756.	15.6	# S #	23•	40.5	0.5
	A00.	6443.	14.4	4.9-	23.	238.0	1,9
	750.0	8216.	10.3	0.6-	25.	2.642	15.6
	706.1	10083.	5.A	-11.7	27.	277.3	10.4
	658.4	12053.	r,	-13.6	34.	205.6	10.2
	600.n	14140.	-4.5	-19.7	56.	205.8	6,02
	1,50.n	16366.	-9.5	-29.4	14.	225.0	<.5.1
	მ•ე0ა	19755.	-15.3	-32.6	21.	232.4	29,0
	0.001	21338.	-21.1	-37.9	20.	238•7	, q2
	0.001	24156.	-27.2	-42.3	22.	224.4	33,2
	350.0	27262.	-35.0	9.84-	23.	225.1	32.0
	300.0	30724.	-43.A			254.5	45,2
	750.n	34680.	-50.0			232 • 1	50,9
	0.000	39368.	-55.6			239.7	55.6
	173.0	42185	-52.9			246.7	41.2
	150.0	45419.	-57.3			250.2	34.1
	125.6	49160.	-62.0			254 • 8	30.2
	100،	53651.	-63.3			256.0	52,2
	30.n	58196.	-63.2			252.3	10.1
	70.0	60889.	-62.0			210.1	11.5
	٠.09	64021.	-60.3			298.3	6,3
	50°C	67792.	-56.6			124.0	10.0
	C.03	72454.	-54.2				•

** AT LEAST ONE ASSUMED HELATIVE HIGIDITY VALUE "AS HALL IN THE INTERPOLATIONS

VEODETIC COUNTINATES 33-10712 LAT DEG 106-49511 LON DEG			
.jArA	UFL-INIM. PFRCENT	22.0 21.0 22.0 20.0 20.0 20.0 25.0 25.0 16.0	2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
STGNIFICANT LLYLL HATA JALLFH TABLE 3	TEMPERATURE IR DEWPOLIN REES CENTIGRA,E	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
SIGNIF J TABLE	TEMPE AIR Degrees	2000 1100 1100 1100 1100 1100 1100 1100	11111111111111111111111111111111111111
יצר	E GFOMETPIC ALTITURE S MSL FEET	4051.0 4083.5 4318.5 4787.9 5608.5 6073.4 10137.0 12808.6 13947.5 15490.4	24.274.0 29.12.4.0 30.871.9 328.13.9 38.567.2 38.567.2 39.565.1 42.13.7 46.317.2 54.007.6 54.007.6 54.007.6 54.007.6 54.007.6 54.007.6 64.156.0 64.156.0
STATION ALTITUDE 4651.00 Fret :SL 10 may 63 Ascension 40. 73 1000 MDT	PRESSIME MILL HARS	872.5 871.5 864.3 864.3 755.0 755.5 76.0 632.9 692.9 692.9	400.0 324.4 324.4 300.0 224.7 200.0 176.0 110.0 110.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0 100.0

STATION ALTITUDE 10 MAY 83 ASCENSION NO.	.TITUDE 4051 140. 73	or Free Hist 1000 MDT	. iss. 1	- F	UPPER AIR DAFA 136630073 JALLET	Dur 73		v OULTIC 13-1 106-4	02.11c CO.4010A1ES 13*16712 LAT DEG 106*49511 LON DEG
				-					
SEUMETRIC	PRESSURE	TErrips	TEMPERATURE	ALL Mine DENSITY	PERSITY	SPI.EU AF	WIND DATA	¥ 1	INJEX
MSL FEE!	FILLIDARS	DECREES	CENTIGRADE		METER.	21001v	DEGREES (IN)	SPEED KNOTS	OF REFRACTION
4051.0	812.5	20.5	7.5	22.0	1035.8	11683.11	0•	0.	1.000253
4500.0	850.7	18.9	6.8-	10.1	1022.3	_	215.A	1.8	.
5000.6	9.0.0	18.1	2.5-	0.05	1007.2	5659	215.A	3.9	1.000243
•	820.1	17.9	***	20.0	2.00p		215.8	5.0	00023
0.0003	815.9	16.8	J. 6. U	20.5	970.1		217.6	7.7	•
	# · K & /	15.5	4.9-	21.1	0.63.0	662.5	425.0	8.9	1.000231
7000.	785-1	14.2		21.7	950.1		230.2	6.6	1.001228
	77.1	13.1	©• ४-	50.00	937.5	_	2,11,2	Ġ	.00022
3.0002	70/07	7.00	ت ، در و در و	0.00	9.426		251.8	10.0	1.00021
0.0000	7.5	٠ • •		2 F	714.6		252	6.6	.00021
9500.0	714.6	7.0	110.4		3.488	654.6	230.7	10.0	1.000214
10000.0	705	5.0	-12.5	2. P.	877.2		2000	10.7	47.000
	690.5	4.5	2.31 -	27.0			212.4	8-11	
1000.	9.119	3.2	4-8-1-	28.3	653.0	_	200.0	13.9	
11500.0	•	1.9	-14.0	9.63	841.1		191.8	16.6	
12000-0	•	91	-14.6	30.0	829.5		108.7	19.0	1.000195
2 500.	5.04u	\	2.51	35.5	R17.8		169.2	21.2	1.000192
12000.0	626.3	-1.	-16.9	30.1	405°4		193.1	23.1	1.000188
4000	604.7	-2.6	20.0%	16.0	778.0	9-1-9	200.0	20.0	1.000179
4500		-3.5	-25.7	16.0			217.2	24.0	1.000175
-	581.8	-4.5	-26.4	16.0	754.0		220.9	23.8	1.090172
15500.0	576.7	ત્ર ! જે -	-27.2	16.Ը		637.6	250.5	23.2	•
•	559.5	-6.7	-24.1	16.3	731.4		219.8	23.9	
17000	0.48.E	0 · 0 · 0	1.29.1	٠ <u>٠</u>	7.03.7	# # # P P P P P P P P P P P P P P P P P	219.0	24.0	100v
17500.0		10.7	4007	17.2	1.01,		220.5	20.2	1.000151
18000.0	517	-12.0	-31.7	17.5	689.5		221.4	30.4	
18509.0	201.	-13.3	-32.6	17.8	679.5		222.3	31.3	1000
19000.0	.164	-14.6	-33.6	13.0	669.5		2.53.2	30.2	1.000151
19506.0		-15.9	-34.7	18.0	659.5		5.44.5	28.5	1.000149
20000.0	•	-17.3	-37.B	18.0	0.649		6.022	24.8	3
20500.0	9./9.	-18-5	-36.9	14.0	639.9	_	5.623	21.9	1.000144
21000.0	458+2	6.61	-30.	18.0	630.3		250.5	20.6	1.000142
10001		-21.5	-34.5	•	6.02d		251.5	20.3	1.000140
22500.0	֓֞֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֓֡֓֓֓֓֡֓֓֡֓֡֓֡֓֓֓֡֓֡֓֡	122-	6.66-		510.8	_	つド	21.4	1000
0.0000	,	1 2 0 0	0.11		7 1000		1.20.7	****	? "
<3500.0	410-1	-75.5	142.0	19.4	581.0	012.	250.8	26.2	1.000130
			,	,)			

GTATION ALTIT 10 MAY 63 ASCENSION NO.	STATION ALTITUDE 4051.00 F, T MSL 10 MAY 43 ASCENSIUM NO. 73	51.ro E., 1	r MSL	TABLE	UPPER AIR CATA 1309030073 JALER SLE 9 Cont ⁴ d	ντ.ν.1 7.5 1.4		v ODETI 33∙ 106•	o'ODETIC COURDINATES 33.1×712 LAT DEG 106.49511 LON DEG
GEONETRIC ALTITUDE MSL FELI	PRESSURE MILLIDARS	TEMPE AIR DEGREES (TEMPER,THIPE R DEWPOLHT EES CENTIGRADE	HEL.HUM. PERCENT	DFNSITY GM/CUBI _C METEP	SPEEU OF SOUND KIJOTS	*IND DA!A INFCTION > JEGRES(TN) K	S EED KrioTS	INDEX OF REFRACTION
24000.0	9.404	->6.5	-42.1	19.8	571.4	611.H	230.2	27.8	1.000128
24500.0	390.1	-57.6	143.0	20.0	562.0	p.019	2.69.	30.3	1.0001
2500n.0	381.7	-28.9	9.111.	20.1	552.8		4.127	32.2	1.000124
255nn.0	379.4	-30-1	-45.6	20.3	543.7	4.199	0.452	33.3	1.000122
20000.0	371.3	-11.3	9.94,-	20.4	534.7	605+4	6*022	33.8	1.000120
26500.0	363.3	-32.5	4.74-	20.5	525.9	4.400	c17.7	33.9	1.000118
27000.0	352.6	-33.7	-48.6	50.6	517.3	H+209	217.3	35.2	1.000116
27500.0	348.0	-34.9	9•54-	20.7	508.9	6.01-3	217.4	35.6	1.000114
28000.0	340.5	-36.2	-50.6	20.8	500.5	294.7	218.5	37.2	1.000112
28509.n	333.3	-37.4	-51.6	50°6	h 20h		219.7	37.8	1.000110
7,0006.0	320.1	-38.6	-52.6	21.0	484.4		751.1	38.2	1.000108
29500.0	319.0	-39.9	-55.7	16.5**	476.4	595.0	222.3	38.7	1.00106
30000.0	311.9	-41.3	4.09-	•	468.6		223.5	39.3	1.000104
30500. n	390.0	-112.6	-67.7	4.5.4	460.9		753.6	40.2	1.000103
31000.0	298•3	-43.9			453.2		223.3	41.2	101000-1
31500.n	291.5	-45.0			445.1	588.5	224.9	42.4	1.000099
32000.0	285.0	-46.1			437.2	5A7•0	2<7.0	43.6	1.00007
32500.0	274.5	-47.5			459.4		228.7	45.0	1.000096
33000.0	272.2	-48.5			421.5	584.4	230.1	46.5	1.00004
33500.0	260.0	6-84-			413.2		230.4	48.0	1.000942
34000.0		9.611-			405.0		230.5	h •6h	1.000090
34500.0		-50.3			397.0		250.4	50.5	1.000088
35000.0		-51.0			389.2		8.627	52.5	1.0000+7
3550n.n		-51.8			381.4	579.6	0.622	55.0	1.000003
36n0n.0		442.4			373.9	578.h	229.3	55.0	-
36500.P		-53.3			366.5	577.06	229.8	54.5	1.000082
37009.0		-53.9			358.6		230.2	50.9	-
37500.0		2.4.7			5.055		250.5	47.3	
38000.0		-14·3			343.		5.675	45.0	1.000076
3050n.n		6.45-			335.7		7.632	0.11	1.000075
3,00065		8.45			327.8		250.5	45.7	1.000073
39500.0		1.4.7			319.9	1 573.B	232.5	48.0	1.00001
40000	190.9	さっさい!			312.1		235.6	51.0	1.000070

-	42.4 1.000099																							
223.3	224.9	2<7.0	228.7	230.1	230.4	230.5	230.4	8.627	0.622	229.3	229.8	230.2	250.5	559.9	7.622	250.5	232.5	235.6	241.0	348.8	254.0	258.5		* C
	584.5																							
45.5	445.1	437.2	459.4	421.5	413.2	405.0	397.0	389.2	381.4	373.9	366.5	358.8	350.9	343.2	335.7	327.8	319.9	312.1	304.4	596.9	289.6	282.5	27.	(1.0.3
•																								
;																								
-43.9	-45.0	-46.1	-47.2	-48.2	-48.9	9.61-	-50.3	-61.0	-51.8	4.2.4	-53+3	-53.9	2.4.7	-54.5	6.43-	8.45-	154.7	10 11 15 −	-54.5	-53.9	-53.6	-53.3	1,000	
298.3	291.5	285.0	270.5	272.2	260.0	254.9	253.9	240.1	50762	230.7	231.2	225.9	220.6	215.4	210.4	205.4	200.6	195.9	191.4	180.9	182.5	176.3	174.1	
31000.0	31500.n	32000.0	32500.0	33000.0	33500.0	34000.n	34500.0	35000.0	3550n.n	36nnn.0	3650ņ. r	37000.0	37500.0	38000.0	30500.0	3,00065	39500.0	40000	40500.0	41000.0	41500.0	42000.0	42500.0	

AT LEAST ONE ASSUMED BELLETIVE HIBLIDITY VALUE WAS USED IN THE INTERPOLATION.

STATION ALTITUDE 10 may 63 ASCEMSION NO.	τυδε . ,	4051.00 FitT NSL 1000 MDT 3	TABLE	50005 30005 11 LEN	ik bTA Souzs Cont' d		\$3. 33. 106.	0DETIC COGNITMATES 33-16/12 LAT PEG 106-49511 LON PEG
SEUMETRIC ALIITUDE MSL FEEI	PRESSURE MILLIUARS	TEM, FRATURE AIR DEWPOINT DEGREES CENTIGRADE	ne L. Min. Percent	DFNSITY GM/CUBIL NETER	SFEED OF SOUND MNOTS	WIND DATA LINE CTION 3 LEGREES (TN) N	TA SPEEU KIJOTS	INDEX OF REFRACTION
44000.0	162.1	9.4%-		258.4		252.8	34.9	1.000058
44500.0	158.4	Q • 47 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4		252.8	575.5	0.00 0.40 0.40	S = 20 20 20 20 20 20 20 20 20 20 20 20 20 2	1.000056
45500.0	151.0	-55.7		241.9		243.0	38.1	1.000054
46000.0	147.5	-£.6.0		236.0		236.3	43.1	1.000053
46500.0	144.0	-56-3		231.5		2,36.2 3,00.2	46.0	1.000052
47500.0	137.3	-56.9		221.1	572.9	235.4	£3.0	1.000050
48000.0	134.0	-57.2		216.2		.37.h	44.	1.000048
48500.0	130.8	-57.7		211.6		240.3	41.9	1.000047
49006.0	124.7	38.0		207.0	5.075	240.4	41.0	1.000046
20000-0	121.7	-60.3		199.1		248.7	37.9	1.000044
	118.8	6.09-		195.0		251.3	35.8	1.000043
51000.0	110.9	-61.3		190.6	567.0	4.545	34.4	1.000042
51500.0	113.1	-61.7		180.3		253.0	33.2	1.000041
•	110.3	162.1		182.1		252.6	33.2	1.000041
52500.0	1010	1684 1684 1884 1884		178.0		# 002 # 887	55.3	1.000040
• •	1001	-05.56 -65.66		169.7	0.000	248.3	47.4	1-000039
54000.0	100.0	-62.3		165,3		240.1	36.8	1.000037
54500.0	97.6	-6.2.4		161.3		247.6	36.9	1.000036
55000.0	95.2	-62.5		157.5		247.0	37.1	1.000035
•	6.76	-62.6		153,7		46.4	37.7	1.000034
550000	\ • 0 d	0.00		1.001		0.047 0.045	38.9	1.000033
57000.0	86.3	-62.8		343.0	1.600	0.417	9.00	7.0000.1
57500·F	84.2	-1.2.4		139.2		243.1	39.5	1.000031
J.00nbc	84.5	-62.0		135.b		243.2	36.1	1.000030
5850h.c	80.2	-61.6		132.1		243.5	32.4	1.000029
59000.0	78.3	-61.2		128.0		243.3	28.0	1.000029
5950n.0	70.4	-60.0		125.4	•	745.4	23.⊓	1.000028
•	74.5	-61.6		122.8	•	241.3	19.3	1.000027
60500.0	7.5.7	142.4		120.5		9*0%	18.6	1.000027
61000.0	71.0	() : () : () : () :		117.7		240.0	17.9	1.000026
0.00614	64.5	#: 0 · f		0.011	-	243.5	17.8	1.0000.1
62000.0	4/00	6.5.4		112.0		240.	17.R	1.000025
3.000.0	V • 00	-61-9		10%		24.7	7 . 4	1.00004
• •	62.9	-(·1·t		103.3	560. 260.	0.052	14.4	1.000023
	:							

STATION ALITUDE		4651.00 FEET MSL	T 45L	_	UPPER ATH 1,ATA 1300030075 JALLEII	ATA.		6 ODETI	G ODETIC COOMDINATES
ASCERSTON				17	TABLE 9 Cont'd	nt'd		106.	19511 LON ()F6
GFUNETRIC ALTITUDI MSL FEEI P	PRESSURE MILLIUARS	TENP AIR DEGREE,	PRESSURE TENPERATURE AIR DEWPOTHE MILLINARS DEARE, CENTIGRADE	REL.HUM. DENSITY PFRCENT GM/CURIC METER		SPEED OF SOUND NAOLS	WIND DAIA LIRECTION SI LEGREES(TN) KI	11A SPEEU K110TS	Injex of Referention
04000.0		-,1.0			100.6	567.5	258.9	10.7	1.000022
64500.0		A.62-			97.1		2/6.6	7.1	1.000022
65000.0		-48.5			4.1		332.1	4.2	1.000021
65500.0	51.0	-57.2			01.9	572.5	25·1	7.4	1.000020
0.00099		-67.3			8.68		7.50	6.0	1.00020
66580.0		-47.3			87.7		100.2	6.2	1.000020
67000.0		-c,7.4			85.6		131.3	9.1	1.00019
67500.n		6.7			83.5		147.8	13.3	1.000019
0000an		-55.8			A1.0		155.5	16.7	1.000018
0.0050 a		-55.5			78.9		100.6	16.4	1.000018
0-00069		-55.0			77.0		105.8	16.2	1.00017
0.00560		-54.7			75.1				1.000017
70000		+++S-			73.2				1.000016
70500.0		1.4.1			71.4				1.00016

33-16712 LAT DEG	106.49311 LUN DEG	() 1	KNOTS							_									_			•			
ەد 0		7.4.7		3.0	6.9	10.0	11.0	19,5	24,1	24.8	30.5	20,1	567	36.3	40,9	51.7	£0.4	36,9	39.3	40.4	36.4	34.2	17.8	۵°	10.5
			DIRECTION	215.8	225.3	231.9	219.6	188.1	212.9	0.616	555.9	231.4	259.7	217.3	22.5.4	200.0	232.9	258•2	241.8	240.1	248•1	243.6	241.7	271.7	157.6
EvrLs 73		NFL.HIM.		20•	21.	23•	2h•	31.	1 0.	17.	18.	18.	20•	21.											
MAINPATORY LEVELS 13003:1075 JALLEN	TABLE 10	TEMPERATURE PEMPOTAL	CENTIGRADE	-5.1	9•9-	Z*6-	-12.4	-14.7	-25.2	-28.9	-33.2	-39.1	-43.1	-49.3											
Σ	TAE	TEMP	S	18.2	15.6	10.9	5.5	3	-3.0	-7.0	-14.2	-21.1	-27.1	-34.6	-43.6	-50.A	-54.7	-53.4	-55.8	-59.3	-62.3	-61.5	-63.6	-60.n	-52·4
MSL		OPOTENTIAL	FLET	4785.	C480.	8260.	10128.	12006.	14177.	16428.	18829.	21417.	24235.	27345.	30813.	34765.	39473.	42287.	45524.	49309.	53845.	58364.	61075.	64202.	67983.
. 4051.00 F.FT MSL) •	PRESGURE GEOPOTENTIAL	MILLINAKS	P50.	û•00v	150.0	700·U	1.50er	0.00A	0.058	200°C	456.0	t.00.	350.0	300∙0	v•05ċ	200.0	175.0	150∙0	125.0	100.	80·u	70.0	0.09	20∙0
STATION ALTITUDE (10 MAY 83 ASCENSION NO. 7																									

THE PROPERTY OF THE PERSON OF

** AT LLAST ONE ASSUMED RELATIVE HULLDITY VALUE LAS LICED IN THE INTERPOLATION.

SIGHTFICANT LEVEL UATA	T WHITE SANDS
STATION ALITIDE 3989.00 FIFT SE	10 MAY 63 ASCENSION NO. 225 1315 MUT

vEODETIL COUMPINATES 32.40043 LAT DEG 106.57033 LON DEG

	ut L MJM.	PERCENT	
ABLE 11	TEMPERATURE	AIR DEWPOLLS	STATE OF THE STATE
	PRESSURE OF OMETHAC	TOOLITIES TO THE TOOLITIES TOOLITIES TO THE TOOLITIES TOOLITIES TO THE TOO	MICCIPARY WELL PLAN

PRESSURE	S OF OME TRAC	TEMPE	MPERATURE	DEL . I JM
HILL IHARS	S MSL FEE!	DEGREES	CENT 1 GRALLE	PEACEN
		ċ		5
-	•	٠	0.3	Ş.
700.0	10161.3	6.1	2	25.0
_		•	-20.7	ò
•	14650.2	•	27.	÷
•	-	9.6-	•	•
	1489b.9	-12.6	•	ŗ
	•	-26.3	•	•
	•	-32+3	•	•
		-30.1	•	16.0
	•	-45.9		ı
	•	-45.3		
	•	-49.3		
-	•	-59.3		
20n.0	39645.0	-55.2		
•	_	# .		
•	•	-53.5		
_	_	-56.6		
•	-	-£1.6		
•	-	-63.1		
-	•	-61.8		
•	•	-62.9		
	•	-60.5		
	•	-64.2		
•	•	164.4		
•	•	•		
•	-	•		
		-55.1		
•		•		
•	•	;		
34.2	•	å		
	79170.9	0.05-		
22.6	•	-47.3		

STATION ALTITUDE	_	3989.nn FLFT NSL 1315 PDT	7 KSL DT		UPPER ATH DATA 13UADZUZZS WHITE SANDS	DATA 25 05		VrODETIC 32•4€	C00,
ASCENSION NO.				}	TABLE 12			106.	106.37033 LON NEG
GEUMETRIC ALTITUDE	PPESSURE	7E 46	PENPERATURE R DENPOTAT	RELIBIM DENSITY PERCENT GM/CUBI	Ų	SPicEn OF SOUND	WIND DATA	NTA Spefu	INUFX
MSL FEE!	HILLIUARS	PERRES	CENTICRANT		METER	NIVOIS	DL GREES (TN)	KNOTS	REFRACTION
398.9.0	47.5.5	5460	`	15.0	1002.8	678.7	210.0	80	1.000249
4000.0	113.2	₽• 6€	•	15.0	1002.7		210.2	•	1.000249
4500.0	150.0	⊅.5°¢	-3-1	15.0	2.666		210.6	10.3	1.000243
2000.0	340 ts	22.5	0•s-	15.4	991.7		554.9	11.9	1.000239
5500.0	426.1	0.0	-5.5	16.3	979.3		7.622	13.5	1.000236
0.0000 0.0000	790.8	17.7	7.49	18.2	955.0	1,000 A	233.0	15.3	1.000233
70007	784.5	16.1	7.4	19.1	943.1		231.7	14.6	1.000226
750n.n	773.5	14.6	-8-1	20.1	931.4		229.0	13.3	1.000223
8000·0	750.7	13.0	-8-8	21.0	919.9		220.0	11.7	1.000219
850A.n	74.0.2	11.		21.9	9.906		221.8	10.6	1.000216
9000.n		φ. • •	10.4	22.8	4.79A		216.8	10.4	1.000213
0.0000	701.	N .	-11.5	23.R	78c.		211.9	10.2	1.000210
10500.0	(30)	ָ פּ ני	120-	- h	A/5.6		211.5	9.7	1.000207
11000-0	7.169	V 0	1304	7.4.7	9653.9		211.2	8.5	1.000203
11500.0	665.5		7 - 5 T	7.4.7	0.200		210.1	10.3	1.000199
12000-0	65.44	1.0	101	0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.0	A 20 C A		7.602	11.	
12500.0	6.044	; , ,	-18.9	22.t	817.1	0.000	0.010	14.4	1.000192
1300n.0	623.0	-1.4	-20.3	22.1	805.8		725.7	200	7810001
13500.0		-2.3	-22-1	20.1	793.0	_	225.1	24.3	1.000182
14000.0	6000 6000 6000	6.2.	-24.5	17.4	779.8		223.0	26.2	1.000178
15000.0	19.00 P	0.7	126.5		75		221.2	26.3	1.000174
15560.0	571.2	5.5	36/2-	7	740.7	638°H	241.5	26.5	1.000171
16000.0	560-1	-6.3	-29.3	0.5	731.0		227.6	27.8	1.000166
16500.0	できない	-7.3	-30-1	14.0	719.5		232.2	28.7	1.000163
17000.0	530.7	-8.2	F-08-	14.0	708.2		230.2	29.6	1.000160
0.00071	520.5	2.6-	-31.7	14.0	697.1		536°U	•	1.000158
0.00001	5016	01-	-32.4	74.5	686.4		247.8	29.6	1.000155
0.00001	6.700	11.0	33.5	2. de .	6/6.3		245.1	29.3	1.000153
19500	0 7 0 0	6.71.	0.46	0.01	7.994		243.1	28.6	1.000150
200000	0.174	7.5	50-50-1	- C	6.000 5.000		243.1	6.72	1.000148
20500.0	7 - 7 - 7 - 7	4.61	N • CO •	7•C1	B.C.F.C		3°0	27.2	7-00014
210002	55.00	6.71-	9000	10.0	3000		2.4.2. 0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.0.	26.5	1.000 T
21500.0	い。つきさ		2061	֓֞֞֝֞֝֞֞֞֜֝֞֝֞֞֝֞֝֞֝֞֞֝֞֞֞֝֞֝֞֝֞֝֞֝֞֝֞֝֞	616.0	047.0	24.6.20	2 - Q	1.000141
22000.0	5.055	100-	30.00	9.0	5000		7-14	25.0	1.000136
22500.0	431.5	•	9.04-	15.7	597.5	_	7. C.	24.7	45 1000 · 1
23000.0	422"1	-22.9	8-14-	15.8	588.4	-	238.4	24.6	1.000132

m ψ w φ φ					<u>.</u> ح	x	. و	.	~ ∈	- 4	: £) 3 *	^	, 0	o ec	ي ۔	ις.	*2	-	ō.	_	2	.	2	5	æ r	ي -	n at	٠.		0	æ	9	.	~	9	æ r	٠.	ກ =		30000
DETIL COOKNINATES 32-44043 LAT FEG 106-37033 LOU JEG		INUFX	OF REFRACTION		DCTODU-1	1.000124	1.000126	1.000124	1.000122	811050-1	1.000116	1.000114	1.000112	1.000110	1.000108	1.000106	1.000105	1.000103	1.000101	1 • n00099	1.00007	1.000095	1.00004	1.000042	1.000040	1.000088	1.00000.1	1.000004	1.000002	1.00001	1.000080	1.000078	1.100076	1.000074	1.000072	1.000070	1.000008	2011011-1	1.0000.	1.000062	
52.40 52.40 106.37		4 I A	SPEED KyOTS	3/1/5		7.4.7	25.1	۰. م. در	20.43	9.05	32.1	33.3	33.6	33.8	33.8	33.7	33.6	34.3	35.2	37.8	45.2	6.54	2°97	9.7.	0 : 0 :	* - - - -	ב א ה ה א ה	46.2	45.7	0.33	42.7	40.6	41.2	45.1	43.2	0.04	41.3	000	35.00 45.00		
		WIND DAIA	ULGREES (TN)	136.2	44 7		0.102	0.622	258.5	727.4	226.6	226.1	226.2	220.3	227.3	256.5	251.0	233.4	235.7	238.3	240.7	242.0	2,44	240,5	****	1 4 4 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7	7.0.5	64143	241.3	6°05?	242.1	243.5	244.8	C*0*7	6.742	0.64	200.4	0000	244	E 037	,
50 18 50 50 50 50 50 50 50 50 50 50 50 50 50	rour.a	See Elo OF	SOUND	4.41		010			00000	6000	603.7	002.1	6.009	9994	597.4	595.A	2.469	592.6				587.5	586.6	262.6	7.467	1000	580.6	578.0	570.5	574.5	572.4	5.0.5	0.175	2.010	3/4.6	0.0	575.00	57.70	57.74 77.70	577.0	
UPPER AIR Just 1300260255 WHITE SANDS	71		GM/CUBIL METER	579.4	570.6	26.42	15. P. B.	0.30%	535.4	526.9	518.3	509.8	501.4	493.1	485.0	477.1	0.694	461.1	453,3	445.0	P. 4054	9.824	2.024	0.27	106	388.5	382.0	375.7	369.6	363.5	357.6	0.100	342.7	4300	3,14,0	701	2000	2000	284.0	277.4	•
٠	-		PERCENT	15.8	15.9	16.0	26.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0	16.0		* (**C.=																							
T MSL		TEMPERATUPE	CENTIGRADE	8.24-	2.E	*****	1,450	20.544-	0.84-	1.00-	-50.1	-51.5	-55.5	-53.3	-54 • 3	-55.8	-60.1	1 99-																							
89.00 Frr 1315 NDT		Σ	AIR DEGREFS	->4.2	-25.4	-26.7	-28.0	-29.5	-30.5	-31.8	-33•0	0.00	ر•35 -	-36.8	-38.0	-39.3	0000	1 1 1	0.00	0.00	F 1 1 1 1		-47.2	-47.9	-48.6	4.64-	-51.0	-52.6			15.00 B	F. B. 3	-57	2 C 2 C	-55°	15 S	-54.8	1.4.7	-53.8	-1.3.A	2
UDE 39.		PRESSURL	MILLIUARS	414.2	405.B	397.5	389.1	380.9	372.9	365.1	55/65	349.5	0.24c	334.0	351	220.3	10.01	300.5	0.000	28643	27000	27.50.5	267.2	261.2	255.3	249.4	243.6		234.3		210.4	21103	206.3	201.4	190.7	197.0	187.5	183.1	173.0	174.7	17.1.6
STATION ALTITION AND ASCENSION NO.		GEOME TRIC	MSL FEE 1	23500.0	24000.0	24500.0	25000.0	25500.0	200005	26500.0	5.000.E	0.00072	200000	200000	0.0000	30000	300000	3,000 co	315000.5	32000.0	12500.0	33000.0	33500.0	34000.0	34500.0	35n00.n	35500.0	35000.0	35500.0	37500	38000	38500.0	39000	39500.0	40000.0	40500.0	41000.0	41500.0	42000.0	2501.	C. 000C 5

** AT LLAST ONE ASSUMED BELLETIVE HE TRITE VALUE WAS USED TO THE INTERPOLATIONS

STATION ALTITUDE 10 MAY 83	.11TUDL 398 3	3989.00 F ET 115L 1315 1DT	_	UPPER AIK DATA 1300020625 WHITE SAHDS	Da1A .2% ID>		or one 11	S2-40043 LAT LEG
ASCEIISE, IN			TAI	TABLE 12 Cont'd	ont'd		• 901	106.37033 LON DEG
GEUMETR, C	PRESSURL	TEMPERATURE	KEL . Hen.	DENSITY	SPIFIL OF		7.0	INCTX
MSL FEEL	KILLIUARS	MSL FEEL MILLIDARS DECREES CENTIGRAPE	PERCENT UNICHIAN SOUAN	METER	SOUTH KI401S	DEGREES (TN)	SPEED NOTS	OF REFRACTION
43500.0		-54.7		245.t	575•и		42.9	1.000059
44000.0		-1,5•1		5.652	575.3		45.0	1.000056
44500.0	150.8	-55.5		254.5	5-44-3 5-44-7	243.2	46.8	1.000057
45000.A		-c,6•n		3.846	3 574.1		48.0	1.000055
45500.0		4-95-		20.50	573.5		48.1	1.000054

EUMETR, C	PRFSSURE	Ţ	KEL.Hens.		SPIFI OF	WIND DATH	<u>.</u>	INUTX
LTITUDL		, I t	PERCENT	GM/CUB1	501140	MOI 10 PM	GB3/ic	ŧ
St FEE!	MILLIUARS	DECREES CENTIORADE		ME TER	KH-015	DEGREES(TN)	K11015	HEF PACTION
43500.0	166.6	-54.7		245.6	575-и	241.8	42.9	1.000059
U-000hh	152.7	-,5.1		259.9		242.5	45.0	1.000056
44500.0	150.8	-55.5		254.3		243.2	46.8	1.000057
45000.A	155.1	J-29-U		248.8		745.7	48.0	1.000055
45500.0	151.5	-56.4		243.5		243.B	48.1	1.000054
46000.0	147.9	-56+9		236.3		6.543	48.2	1.000053
46500.0	144.3	-47.5		233.2		<43.7	48.8	1.003052
47000.0	140.9	-58.1		228.E		243.5	49.5	1.00.00.1
47500.0	137.5	-58.6		223.3		5,414.3	50.1	1.000050
4600C.	134.2	-:9.2		216.6	569•8	54545	50.8	1.000049
48500.0	131.0	59.8		213.9	569.1	240.8	51.5	1.000048
49000.0	127.	-40.3		509.4	5646.3	40.7	52.3	1.000047
49500.n	124.	-60.9		204.9	567.6	540.6	53.2	1.000046
5000n.o	121.9	-61.5		20045	9.099	245.2	51.3	1.000045
50500.0	116.	-6.1.8		190.0	566.3	243.2	48.8	1.000044
51000.0	116.	-62.1		191.6		641.7	46.1	1.000043
51500.0	113.2	-42.4		187.2		241.0	43.1	1.000042
52000.0	110.5	-42.B		182.9		240.1	40.5	1.00001
52500.0	10/-	-43.1		178.8	1.4.95	538.7	40.1	1.000040
53000.0	105.	-42.7		174.1		237.3	40.0	1.10039
53500.0	102.	-6.2.3		169.5	5.65.1	536.9	39.6	1.000038
54000.	_	-61.8		165.1		526.9	39.1	1.000037
54500.0	91.	-61.9		161.2	56h•2	. 57.4	38.0	1.000036
55000.0	95.	-62.1		157.4	566•1	539.9	35.5	1.000035
55500.0	95.	-42.2		153.7	565.H	245.7	33.0	1.000034
3.00ncc	-06	-f.2.4		150.0	9+099	740.€	32.1	1.000033
56500.0	9g.	-62.5		140.5	565.4	250.8	31.6	1.000033
57000.0	86.	-42.7		103.1	565.2	252.6	30.5	1.000032
5750ñ.0	84.3	-62∙8		139.7	-	Z-0c?	28.6	1.0000.1
34000°	82.3	-62.5		130.0	-	248.7	26.B	1.000010
58500.n	ۥ08	1.09-		131.7	•	7.247	23.2	1.000079
2900n.n	7.00	-61.1		128.7	•	530.5	18.9	1.000029
59500.0	€.o/	-61.9		120.0	•	15.1	15.9	1.000028
60000.n	74.6	-6.2.4		125.4	565+5	205.6	15.1	1.0000.7
c0500.0	72.8	-F3.1		120.8	564.4	202.2	14.0	1.0000.7
0100C.	71.0	-6.U.A		118.		204.7	14.6	1.000026
61500.ņ	69.3	2.49-		115.0	563-1	.08.3	13.4	1.000026
62000.0		1.4.5		112.8		213.6	12.1	1.000025
•	60.9	コ・ロント		110.1	•	4.815	10.9	1 • 600025
63000.7	64.4	-60.6		105.5	0+096	710.0	9.3	1.000023

UPPER AIK ULIA 1300020225 WHITE SANDS STATION ALITTUDE 3489.00 FF. T MSL 2 10 MAY

32-4-043 LAT LEG 106-37033 LON PEG

SFORFIL COUNTINATES 1.000015 .000014 .00000 .100010 .000010 .000010 90000n. 900000-1 900000 - I -0000×2 . 1000020 02000u• • 10000 .000019 .0000 **810000** ·000017 .000017 · n00016 .000016 • 900016 •n00015 .000014 .000013 .00000 .0000. .000012 .000011 010000 - nnn022 .000012 110000. . 10000.1 .400012 .00000 .000011 • 00000: RF FRACTION INUFX 7.8 7.1 10.6 10.6 112.5 114.8 116.6 117.8 111.1 111.1 DEGREESTM) SPEED WIND DAIN 2009.9 1198.3 1179.2 1179.2 1179.2 1189.1 1183.7 1184.8 1181.0 79.0 81.1 82.3 95.9 95.9 95.9 112.9 112.9 123.0 28.9 22.9 22.9 22.9 32.2 27.0 114.3 90.9 97.0 KEL. HUM. DENSITY SPEED OF 583•6 583•9 554.8 570.1 571.7 571.7 572.5 574.1 574.9 576.1 577.2 577.2 577.2 577.0 576.9 576.9 576.9 579.1 579•4 579•7 580•0 580•3 580.7 581.0 581.3 581.6 583.3 583.3 570.0 581.9 582.4 500140 511013 582.1 TABLE 12 Contd 6.91 102.2 99.8 97.5 95.1 92.0 85.2 81.0 78.9 75.0 65.0 65.0 61.8 60.2 58.8 57.4 56.0 54.6 49.6 48.4 47.2 45.0 43.9 42.9 A5.4 73.1 71.4 69.8 68.2 63.4 46.1 GM/CURIC MFTER AIR DEMPOLIT PERCENT MILLIBARS DEGREES CENTIGRADE TEMPERATURE -58.9 -59.1 -59.2 -53.6 -53.8 -54.0 -- 0.3 -1.9.0 -58.4 -5.7.2 6.45--51.9 -41.0 -48.A -r 3.4 -52.2 -5.1.5 -r.0 • 1 -57.8 9.9%--56.0 -55.4 -54.5 -54.0 -53.6 -54.1 -53.4 -52.9 -52.4 F-1,0.A -50.5 L.611-9.61-4.61--49.2 1.4.0 -118.5 PRESSURE 47.0 47.9 47.9 41.9 31.7 31.0 30.2 29.5 20.9 62.8 61.3 53.9 56.4 57.1 40.0 35.4 34.9 34.0 35.2 21.6 222 50.7 51.9 50.00 47.4 46.3 36.2 29.5 20.3 3.9.1 1.00 40.1 ASCENSION NO. 64500.0 64500.0 65000.0 65000.0 65500.0 66000.0 70500.0 71000.0 71500.0 72009.0 72500.n 73000.0 74500.0 75000.0 75500.0 76000.0 GEOME TRIC ALTITUDL MSL FLEI 73500.0 77500.0 78500.0 67500.r 0.0058d 19000.0 79500.0 ยไกกก.า 82000.0 82500°C 6700p.n 58n00.0 69000.0 0.950p.n 0.0000, 900000 90506.0 81500.C

STATION ALTITUDE 10 May b3 Ascension 110. 22	1111UDE 39	3y89*** Fig. 1 Mst. 1315 MDT 25	19FE 19 19 19 19 19 19 19 19 19 19 19 19 19	uFPER AIM DAIA 13000-0224 WHITE SANUS TABLE 12 CONT'D	0,,1A 25, US :ont'd		52. 11.06. 11.06.	6; 00: 11c COMMINATES 52-4:1043 LAT 1:EG 1:16-57033 LON 1:EG
GFOWETHIC PRESSURL ALTITUDL MSL FEEL MILLIBARS	PRESSURL MILLIBARS	PRESSURL TEMPERATURE KEL.HUM. DENSITY SPEFU OF A PRESSUR A MALLIBARS DEGREES CENTIGRADE METER NIOTS OF	KEL.HUM. DEN PERCENT GM.	ASITY ACUBIA ETER	SPEFO OF SOUND NEOFS	MINU DATA LIMECTION SPEED LLEGREES(IN) KNOTS	14 SPEEU KNOTS	TRUEX OF REFRACTION
83500.r 84701.r 84501.r 8500.r		24.6 -48.1 24.0 -47.9 23.5 -47.7 22.9 -47.4		38.1 37.2 36.3 35.4	34.1 584.7 37.2 584.7 36.3 585.0 35.4 585.3			1.000008 1.000008 1.000008 1.000008

MANDATORY LEVILS 1300020225	•	32 SAINUS	9 01
STAFION ALTITUDE 3989.00 FIET SL 13			

VEODETIC COCHDINATES 32-44043 LAT DEG	106-37033 LON DEG
130020255 WHITE SANDS	TABLE 13
et se Mot	

N KNOTS	11.2	1 2 2	•	9 •07	9. 6	15.2	0	26.6	, c.	20.4	25.0	5.5.3	35.1	45.9	43.2	0.75	48.1	57.1	39.1	7.57	0 41	7.5	10.2	0	a	2
-	222.3	2.44.1	604.1	553.3	211.4	216.2	222.2	231.9	243.1	242.3	232.1	220.5	235.5	243.4	24.8 . 3	240.0	243.9	246.6	236.9	241.7	200.5	200.0	183.3	111107		
יי אכן או	<u>.</u>		70.	•1>	25.	23.	10.	14.	13.	. c	9	9														
CENTIGRADE	9.4-	-6.7	6.0	3	17.4	-17.9	-25.2	-30.1	-33.8	-38.8	3.44-	-51.1														
JEGPFFS	23.2	17.9	12.2			•	-3.2	-7.2	-12.6	-19.1	-26.3	-34.2	-45.0	-49.3	-55.2	-53.A	-56.6	p.119-	-61.A	-60.5	-64.2	2.65-	-55.1	-53.4	-50.0	
FEET	4773.	64.37	6277.	10161	10101	12124.	14214.	16457.	16870.	21476.	24312.	27428.	30403.	34878.	39550.	42354.	455A3.	49340.	53863.	58386.	·16019	. 42249	68004.	72704.	78832.	
MILLINARS	A50.11	A00.0	750.0	2002		v•0c5	0.000	550.1	U•00'i	450°F	1:00:t	350 · n	300.0	250•₽	7.00℃	175.0	150.0	125.r	100.0	3°08	٠٠٥/	9ن•ن	£6• ₁	C • O •	30.0	9
	FEET DEGREES CENTIGRADE DESCRIPTION	FLET DEGREES CENTIGRADE DEGREES (IN) 4773. 23.2 -4.8 15. 222.3 11.	FEET DEGREES CENTIGRADE DEGREES(IN) 1 4773- 23-2 -4.8 15- 222-3 11 1 6497- 17-9 -6.7 14- 234-1 15-	FEET DEGREES CENTIGRADE DEGREES(IN) 4773- 23-2 -4-8 15- 222-3 11 64.67- 17-9 -6-7 16- 234-1 15- 10-77- 12-2 -6-7 16- 234-1 15- 10-2-3-1 15-2 -6-7 16- 234-1 15- 10-2-3-1 15-2 -6-7 16- 234-1 15- 10-2-3-1 15-2 -6-7 16- 234-1 15-2 16-2 16-2 16-2 16-2 16-2 16-2 16-2 16	FEET DEGREFS CENTIGRADE LEGICLES(IN) 4773- 23-2 -4-8 15- 222-3 11 64.87- 17-9 -6-7 110- 234-1 15- 6277- 12-2 -9-2 21- 223-9 10	FLET DEGREFS CENTIGRADE DEGREES(IN) 4773- 23-2 -4.8 15- 222-3 11 6497- 17-9 -6.7 16- 234-1 15 6277- 12-2 21- 223-9 10 10151- 6-1 -12-4 25- 211-4 9	FLET LEGREFS CENTIGRALE LEGRELS(IN) 4773. 23.2 -4.8 15. 228.3 11 6497. 17.9 -6.7 18. 234.1 15 6277. 12.2 21. 223.9 10 121249 -17.9 53. 216.2 15	FLET LEGREFS CENTIGRALE LEGRELS(IN) 4773. 23.2 -4.8 15. 228.3 11 6497. 17.9 -6.7 18. 234.1 15 10151. 6.1 -12.4 25. 21.4 9 12124. 9 -17.9 73. 216.2 15	FLET LEGREFS CENTIGRALE LEGKLES(IN) 4773. 23.2 -4.8 15. 222.3 11 6487. 17.9 -6.7 18. 234.1 15 10151. 6.1 -12.4 25. 21.4 9 121243.2 -25.2 16. 226.2 26 140. 25.7 26.2 15 140. 25.7 26.2 26 140. 25.7 26.2 26 140. 25.7 26.2 26 140. 25.7 26.2 26 140. 25.7 26.2 26 140. 25.7 26.2 26	FLET DEGREFS CENTIGRADE L'EGRALES(IN) 4773. 23.2 -4.8 15. 222.3 11 6487. 17.9 -6.7 16. 234.1 15 10151. 6.1 -12.4 25. 21.4 9 121243.2 -25.2 16.2 21.4 142143.2 -25.2 16. 222.2 1687012.6 -33.8 15. 243.1	FLET DEGREFS CENTIGRADE LEGRELS(IN) 4773. 23.2 -4.8 15. 228.3 11 6487. 17.9 -6.7 18. 223.9 10 10151. 6.1 -12.4 25. 21.4 9 121243.2 -25.2 16.2 21.4 142143.2 -25.2 16. 222.2 26 148143.2 -25.2 16. 231.9 28 1487012.6 -33.8 15. 243.1 28	FLET LEGREFS CENTIGRALE LEGRELS(IN) 4773. 23.2 -4.8 15. 228.3 11 6487. 17.9 -6.7 18. 228.1 15 10151. 6.1 -12.4 25. 21.4 9 121243.2 -25.2 16. 222.2 20 142143.2 -25.2 16. 222.2 20 164577.2 -30.1 14. 231.9 28 2147619.1 -38.8 15. 243.1 20 243.1 -26.3 -44.5 16. 23.0 1	FLET LEGREFS CENTIGRALE LEGRELS(IN) 4773. 23.2 -4.8 15. 228.3 11 6487. 17.9 -6.7 18. 228.1 15 10151. 6.1 -12.4 25. 21.4 9 121243.2 -25.2 16.2 15 104577.2 -30.1 14. 228.2 28 1046577.2 -30.1 14. 231.9 28 244.5 -19.1 -38.8 15. 242.3 25 2742834.2 -51.1 16. 232.1 25 3742834.2 -51.1 16. 232.1 25 3742834.2 -51.1 16. 232.1 25	FLET LEGREFS CENTIGRALE LEGRELS(IN) 4773. 23.2 -4.8 15. 228.3 14 6487. 17.9 -6.7 16. 234.1 15 10151. 6.1 -12.4 25. 21.4 9 121243.2 -25.2 16. 222.2 20 142143.2 -25.2 16. 222.2 20 142143.2 -25.2 16. 222.2 20 148577.2 -36.1 14. 231.9 28 2431212.6 -33.8 15. 242.3 25 2431226.3 -44.5 16. 232.1 25 3090342.0 35.5 33	FLET LEGREFS CENTIGRALE LEGRELS(IN) 4773. 23.2 -4.8 15. 228.3 11 6497. 17.9 -6.7 18. 234.1 15 10151. 6.1 -12.4 25. 21.4 9 10151. 6.1 -12.4 25. 21.4 9 101513.2 -25.2 16. 222.2 20 142143.2 -25.2 16. 222.2 20 1487012.6 -33.8 15. 243.1 20 2147619.1 -38.8 15. 242.3 25 243.6 -34.2 -51.1 16. 220.2 35 3490342.0 34 3487849.3	FLET LEGREFS CENTIGRADE LEGRELS(IN) 4773. 23.2 -4.8 15. 228.3 11 6497. 17.9 -6.7 18. 234.1 15 10151. 6.1 -12.4 25. 216.2 15 101519.2 21. 223.9 10 101519.2 21. 223.9 10 101519.2 21. 223.9 10 101519.2 21. 223.9 10 101519.2 21. 222.2 20 1042143.2 -25.2 16. 222.2 20 104577.2 -30.1 14. 231.9 26 104577.2 -30.1 14. 231.9 26 2147612.6 -33.8 15. 242.3 25 243.4 43.4 43.4 43.4 43.5 3955055.2 24.5 244.3	FLET DEGREFS CENTIGRADE LIGHTCLINON PERCENT INCLLINON PERCENT INCLUSION PERCENT INCLLINON PERCENT INCLUSION PERCENT INCLLINON PERCENT INCLUSION PERCENT INCL	FLET DEGREFS CENTIGRADE LIGHTLELINON PERCENNING PERCENNING PERCENNING PERCENNING PERCENNING PERCENNING PERCENNING PERCENNING PARCENNING PERCENNING PARCENNING PARCENN	FLET DEGREFS CENTIGRADE LIGHTLELINON PERCENT INCLUSION PERCENTION PERCENT PER	FLET DEGREFS CENTIGRADE LIGHTLELINON PERCENT INCLUSION PERCENTION PERCENT PER	FLET LEGREFS CENTIGRALL LEGRELS(IN) 4773. 23.2 -4.8 15. 224.1 15 6457. 17.9 -6.7 18. 223.9 10 121243.2 -9.2 21. 223.9 10 121243.2 -25.2 15. 226.2 15 142143.2 -25.2 15. 226.2 15 142143.2 -25.2 15. 226.2 15 142143.2 -25.2 15. 226.2 26 142143.2 -25.2 15. 226.2 26 142143.2 -25.2 15. 226.2 26 1421410.1 -38.8 15. 243.1 20 243149.3 -44.5 15. 226.2 33 4235626.3 -44.5 15. 226.2 33 4235756.6 43.4 43 4235756.6 53.8 243.4 44 4235756.6 53.8 243.9 243.9 44 4235766.9 226.5 226.9 243.9 226.5 236.9 226.5 236.9	FLET LEGREFS CENTIGRALE LEGRELS(IN) 4773. 23.2 -4.8 15. 228.3 11 6487. 17.9 -6.7 18. 228.1 15 10151. 6.1 -12.4 25. 21.4 9 121243.2 -25.2 16.2 15 1042143.2 -25.2 16. 228.2 15 104577.2 -30.1 14. 228.2 28 1045712.6 -33.8 15. 243.1 25 243.2 -42.3 -44.5 16. 228.2 33 243.2 -42.3 -42.3 243.4 43 3487849.3 -48.5 16. 228.2 33 3487849.3 -48.5 16. 238.8 34 4235453.8 243.4 43 4235453.8 243.4 43 4235451.8 228.2 243.4 43 4235461.8 228.2 241.7 22 543.6 -60.5 243.9 248.5 248.6 51 6109160.5 241.7 22	FLET LEGREFS CENTIGRALE LEGRELS(IN) 4773. 23.2 -4.8 15. 228.3 11 6487. 17.9 -6.7 18. 228.1 10 121249.2 21. 223.9 10 121243.2 -12.4 25. 211.4 9 121243.2 -25.2 10. 228.2 15 142143.2 -25.2 10. 228.2 15 142143.2 -25.2 10. 228.2 15 142143.2 -25.2 10. 228.2 15 142143.2 -12.4 25.2 10. 228.2 15 142143.2 -12.4 10. 228.2 28 1421412.4 10. 228.2 28 1421412.4 10. 228.2 28 1421456.3 -48.5 10. 238.3 44 14215455.2 -48.5 10. 238.3 44 14215455.2 -48.5 10. 238.3 44 14215456.6 49.3 246.6 53 1421666.9 24.7 228.9 48 1421666.9 24.9 28 1421666.9 24.9 28 1421666.9 28 1421666.9 28 1421666.9 28 1421666.9 28 1421666.9 28 1421666.9 28 1421666.9 28 1421666.9 28 1421666.9 28 1421659.9 10.0 0	FLET DEGREFS CENTIGRADE LIGHT PRECENT ON THE CENTION OF THE CENTIO	FLET LEGREFS CENTIGRALL LEGRELS(IN) 4773. 23.2 -4.8 15. 225.3 11 64.57. 17.9 -6.7 18. 223.9 10 121249.2 21. 223.9 10 121243.2 -25.2 16. 222.2 15 142143.2 -25.2 16. 222.2 15 142143.2 -25.2 16. 222.2 15 142143.2 -33.8 15. 242.3 25 14217612.6 -33.8 15. 242.3 25 14217612.6 -33.8 15. 242.3 25 14217612.6 -33.8 15. 242.3 25 14217612.6 -44.5 16. 220.2 35 14217612.6 -44.5 16. 220.2 35 14217612.6 -44.5 16. 220.2 35 14217656.3 -44.5 16. 220.2 35 14217656.3 -44.5 16. 220.2 35 14217656.4 -55.2 20.0 240.8 34 15217660.7 20.0 240.0 34 15217660.7 20.0 240.0 34 15217650.7 20.0 24 15217650.7 20.0 20.0 24 15217650.7 20.0 20.0 20.0 20.0 20.0 20.0 20.0 2	FLET LEGREFS CENTIGRALL LEGRELS(IN) 4773. 23.2 -4.8 15. 228.3 11 6457. 17.9 -6.7 18. 223.9 10 121249.2 21. 223.9 10 121243.2 -25.2 18. 22. 21.4 9 121243.2 -25.2 18. 22. 21.4 9 142143.2 -25.2 18. 22. 22. 22 142143.2 -25.2 18. 22. 22. 22 142143.2 -25.2 18. 22. 22. 22 14217612.6 -33.8 15. 226.2 23 1437012.6 -33.8 15. 226.2 23 2447612.1 16. 226.2 23 2447844.5 16. 226.2 33 4235656.3 -44.5 16. 226.2 33 4235756.3 -44.5 16. 226.2 33 4235756.4 -53.8 236.9 241.7 22 5836660.9 260.0 240.0 3 4236756.7 18. 226.9 241.7 22 5836660.9 260.0 240.0 3 7270455.1 11.1

** AI LEAST ONE ASSUMED RELETITUR HUGITOTTY VALUE ... AS LICELO IN THE INTERPOLATION.

SIGNIFICANT LEVEL LATA	NW 30	TABLE 15
STATION ALITTUDE 4010.40 FIET MSL	10 MAY ES IIOO MOT	ASCENSION NO. 12

or OD! TJC COUNDINATES A2-8H497 I.AT DEG 106-49714 I ON DEG

WF L INIM.	PERCENT	ئيا	•				•	22.0				0.04	•					21.0																						
TEMPERATURE	DEWPOINT	CENTIGRA	-3.8	•	0.2-	٧٠-	4.1.	-3.5	-4.2	0.41	-14.5	Ş	-23.2	-30.9	-32.3	-44.0	-46.7	6.24-																						
Σ	Ų	DEGMEFS	Š	#	22.8	22.6	21.9	18.6	11.7	6.0	-3.1	2.4-	-4.2	6.6-	-13.1	-26.3	-31.8	0.66-	-42.7	8.84-	-49.7	-53.4	*53.6	453.4	2.62		30.00	0.0	-6101	-58.6	7.07-	-1,8.6	-63.3	-62.5	-40.3	サ・ビシー	#	-53.9	-53.6	2.01-
GE ONE TRIC	ALTITUDE		010	4040.6	4390.7	4:199.3	196.	-	A224.	10172.1	•	•	14987.8	_			_	20404.3	_		-	36936.9	_	•		4,770.0	50711.9		54112.2	55120.2	58360.6	5879n•6	3	625.41.7	63005-7	65701.6	67506.7	6843b.7	71540.0	701Bo.6
PRESSURE	. Till to a B.	11 LL 18A''S	•	C .	•	855.9	65n.r	611.4		•		2.009	±	٠.	c.	0	٥i	#	_	-	_	227.6	-		<u>.</u> (÷ =		=	<u>_</u>		A1.4			<u>.</u> • د	5 .	₹.	٠.		÷	٠

STATION ALTITUDE 16 MAY N3 ASCENSION NO.	 .	4010.40 FFET 1100 MDT 2	FT - St.	T AT	UPPEH A14 DA 1300220012 NW 30 TABLE 15	D4.A		∪-00ETI 32• 106•	URODETIC COUMPITATES 32+AB497 LAT DEG 106+49714 LON HFG
GEOMETRIC ALTITUDE MSL FLEI	PRESSUFE MILLIUARS	TEM AIR DECREES	TEMPERATURE R DEWPOINT EES CENTIGRADE	HEL.HUM. PERCENT	DENSITY GM/CUBIC METFR	SPFFILLE SOUND KNOTS	*INU DATA	SPEEU SPEEU KNOTS	INJFX OF REFRACTION
4.010.4	873.7	25.6	-3.8	14.0	1016.8	674.	0.30.0	15.0	1.000246
4500.0	858.9	72.7	-1.0	20.5	1006.8	6700-9	240.7	15.0	1.100249
0.000c	8040.4	20.1	-1.7	21.2	080	3.69.	263,3	2.5	1 - 000245
6.0000	814.6	18.9		21.9	0.90		210.H	15.6	1.0001
0.8050	800.1	17.3	5.67	23.1	957.5	_	213.7	15.9	1.000234
7000.0	785.9	15.7	4.5	24.5	945.8		210.5	15.9	1.000231
7500.0	771.8	14.1	ا الله الله الله الله الله الله الله ال	25.9	934.5	_	207.0	15.6	1.000277
0.0008	756.1	12.4	-5.8	27.4	922.9		£03.4	15.4	1.000224
0000	740.4	0.00	2 t	78.7	911.2		198.3	14.7	1.000221
9500.0	717.5	0.0	7.61		887.6	0.00 0.00 0.00	19161	13.0	12000
10000.0	704.4	6.5	20.0	32.6	876.0		100.0	12.5	1.000210
10500.0	†•169	5•1	-9.5	33.8	864.3		180.0	11.9	1.000207
11000.0	676-4	3.6	-10.3	35.1	852.6		165.9	12.3	1.000204
11500.0	065.	2.2	-11.5	36.4	841.1	_	167.1	13.5	1.000200
12000.0	655.5		-12.0	37.6	829.7		188.7	14.8	1.000197
0.00001	700		6.21	· • • • •	010		192.1	16.0	61000
13500.0		13.5	5.5	10.1	796.4	541.4	190.7	20.00	1.000191
14000.0	605	2.4-	-20.3	27.2	783.6		208.7	26.1	
14500.0	593	6.4	-24.1	20.4	770.6		215.0	2A.1	1.000176
15000.0	585	-5.7	-25.2	19.7	758.0		550.9	30.0	1.000173
15500.0		-6.5	-25.2	0.0	745.7		455.6	31.4	1.000170
1.6000	.00C	5.71	-27.5	13.0	73.5		21.8	32.4	1.000167
17000.0	534.6	10.4	3.000	16.0	2002	# # # C G	0.122	32.1	1.000164
17500.0	520.2	-9.7	-30.7	16.1	698.3		754.1	7.60	1.000159
18000.0	517.9	-10.9	-31.3	16.6	6A7.7		225.9	29.7	1.000156
18500.0	507.7	-12.1	-31.9	17.4	677.4		228.1	20.0	1.000153
19000.0	9.764	1.0.4	-32.5	1،41	667.2	-	250.6	27.4	1.000151
19500.	96/95	9.4.1	4.33.4	18.3	650.7		255.8	24.8	1.000148
20500.0	· · · · · · · ·	10.8	5.45.	9.8	5.48.		535.9	23.1	1.000146
2,000.1	900	0	1000	γ• c .	**000 **000	623.h	4.00%	22.3	•
2120010	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	2001	15.00 15.00	\ · ·	1 0 5 C	10220	2003 24.00	23. f	1.000141
22000.0	440.1	-20.6	-37.53	10.7	607.1		230.7 230.0	26.50	5 T 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
22500.0	431.2	-51.9	-34.7	20.0	597.7	_	7.96%	27.6	1.000134
<5000°	i	->3.1	-30.6	20.3	588.4	_	32.5		•
2350n.0	413.	->4.3	C+U1-	20.5	579.3	614.6	459.4	28.2	1.000130

STATION ALITUDE	. .	1100 MDT	T MSL	-	UPPEK AIK DATA 13u022n012 nw 30	DaTA 12		ὐι 0DETIC 32•κι	DETIC COURDINATES 32-84497 LAT PEG
ASCENSION NO.	10.			ďί	TABLE 15 Co	Cont'd		106.	49714 LON DEG
GEUML TRIC AL FITUDI	PRESSUPE	1 4	TEMPER, TODE K DEWPOLAT	HERCHING OFISITY	_	SPEED OF	WIND DALA	N A	INUEX
MSL FELI	OILL LOAFS	Ĕ	CENTICRANE	· •	METER	KW015	DEGREES (TN)	h,j0TS	REFRACTION
24000.0	4.004	-25.5	tı • I tı –	36.0C	570.3	013.1	227.0	28.3	1.000128
24500.	5.31.5	1-96-1	4-24-	21.0	561,4		6.55%	28.7	1.000126
7.000c2	1.000	0.80-	143.5	0.15	552.5		755.0	29.3	1.000124
20500		£ •66-	2.27	71.0	543.7	-	224.8	30.2	1.000122
20000.0	7.27.	- 30-5	ا در الله الله الله الله الله الله الله الل	21.0	535.1		5.44.3	32.4	1.000120
27000.0		-35.1	140.0	0.10	517.0	5-600	223.8 2.1.9	00.0	1.000118
27500.0	349.2	-34.3	7.00	0.10	504.4		0.1.70	0.0	917000-1
28000.n	341.7	-35.5	0.64-	0.15	501.0		243.8	39.0	1.000112
28500.0	334+3	130.8	-51.0	,1.0	492.7		224.3	41.0	1.000110
29000.0	327.1	0.85-	-55-1	21.0	9.484		2<5.0	43.2	1.000108
5950A.F	320-1	-39.2	-53.7	19.7**	476.0		226.3	0.83	1.000106
30000	0.016	#•O"-	- C, A • 1	12.00	168.5		227.2	43.3	1.000105
30500	1.000	-41.6	1.10-	6.1**	460.5		227.9	41.8	1.100103
31000.C	\$ 66% 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	1,12.8			452.6	591+3	228.8	41.7	1.000101
30000	595. 201	6.43.4 6.43.4 6.43.4			1 · 111		229.7	41.7	1.000099
32000-0	2000	7.4			4.36.4		229.H	43.8	1.00007
32500.0	774.0	J. 2. 1			428.5	-	229.8	46.2	1.00005
32000	7.0.7				#20.4 ****		229.6	0.74	1.00000
34000.0	261.0	P. 81/1-			# 10.4 # 05.4	1384.0	259.0	- V - C - C - C - C - C - C - C - C - C	1.000000
34500.0	255.0	5.6n-			396		231-8		0.0000.1
35000.0	243.2	R.611-			388.7		232.9	51.7	1.000067
35500.0	243.4	8.05-			381.3		233.4	3.35	1.000085
3e000.c	237.8	-4,1.7			374.0		233.6	56.7	1.000003
36500.0	232.3	-1,2•6			360.9		233.3	58.5	1.0000-2
37000.0	220.9	1.33.4			359,7		232.9	58.4	1.0000000
37504.9	2.21.h	1.3.4			351.4		232.4	57.8	1.10007#
38000.0	216.5	1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1			343.5		232.0	26.7	1.000076
3.00080	2112	-13.5			335.3		558.0	52.9	1.00001
שטטטה ט	C = 0UZ	3.65			327.6		4.262	C. T.	1.000073
34500. G	/•102	6.5%			320.0		254.5	53.0	1.0000.1
40000	197.0	0 • D ()			312.5		238.8	# C #	1.000070
0.0000	- 77	0.00			2000		245.11	46.2	1.000068
41000.	13/01	1.00°			298.0		246.0	43.5	1.000066
41500-0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0				291.0		5,68,5	40.8	1.000065
42000-4	7.671	1, 0 · u			2. pH2		α•α•? α•α•?	38.0	1.00006.3
45000	1,001	0.00			1.7.7		(1.6.4.7)	36.3	1.000062
6.0005	0.77	0.25			248.F		3.50 pc	36.0	1.000000
12000	10/0	W - 24.			1.44/	578.3	2.527	36.1	1.000059

** AT LLAST ONE ASSUMED RELATIVE HIS IDITY VALUE WAS USED IN THE JULFHPOLITION.

STATION ALTITUDE 4010.40 F.FT SSL 10 MAY 63 ASCENSION NO. 12

UPPER ALK LATA

V OBETTL COCHOINATES

10 HAY 63	,	1100 HDT		NE 30	<u>u</u>		32.	32-68497 LAT 19FG	
ENSION	мо. 12		47	TABLE 15 CC	Cont'd		106.	106-49714 LON 1.EG	
GE UME TRAC	PPESSURE	TEMPERATUPE	MF1 . HILL.	DFNSITY	St. F11 .5	ALAN SALA	Ą) (1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	
ALLIFUUL MSL FEET	MILLIDARS	AIR DEWPOLUT DEGREES CENTIGRADE	PERCENT	6M/C'UNIC METER	SOUND KNOTS	LIRECTION	5 EED	OF OF WEFRACTION	
4000	163•1	5.3.6		258.6	5,77.2	7.47.7	36.8	1.0000	
	159.3	-54.3		253.6	570.3	2,46.5	38.8	1.0000,56	
4500n.n	155.6	-55.1		248.0	575.3	5.457	D. 44	1 - 000055	
45500.0	151.9	-55.9		243.6		242.7	9.64	1.0000,4	
0.000an	\$ - 2 + T	-57.2		239.5		241.3	53.8	1.000053	
40,200.0	0.44	I • 6':		7.35.7	-	240.3	57.3	1.000052	
47000.0	141.	-59•5		230.5		5.042 5.042	56.5	1.0000.1	
0.00c/	138.0	80 · 50 · 10 · 10 · 10 · 10 · 10 · 10 · 1		255.2		9.04%	55.7	1.0000,0	
48000.0	1040E	0.03-		220.1	-	9*047	55.3	1.000049	
4020U-n	131.4	- F60.3		215.0	568·4	7.042	54.3	1.000048	
491100.0	126.6	0.021		2017		7.142	01.0 0.1 0.1	1.00047	
500000	122.2	0 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -		C • C O • C	7 • 7 9 5	242	0.00	1.000046	
		E-14-		192	-	7.64	C =	C#0001.	
51000.0	110.4	2.13-		191	_	241.3	0 0	***************************************	
500.0	_	150.8		186.3		1 67 C	3		
5200n.C	_	4.07-		181.5		2.36.9	47.4	1.00040	
52500.0	_	-60.1		176.8		235.5	45.B	1.000039	
0.000		0.0y_		172.5	568·H	235.2	43.1	1.000038	
53500.0	103.0	-60.5		168.6	564.1	230.4	40.1	1.000038	
24000.0	100.5	-61.0		165.1		2,96,2	36.9	1.00002	
54500.0	98.1	1.0.1		160.5		0.545	34.2	1.000036	
55000.0	9558	9-88-9		155.8		247.3	32.0	1.000035	
0.00000	C • C • C	8 · 20 ·		152.0		8.000	30.9	1.000034	
5600n.0	91.3	1.6.1		148.5	570.0	253.0	30.8	1.000033	
56500.0	1.68	# • 61.1 # • 61.1		145.1	9.699	253.9	30.6	1.000032	
5/000.0	80.9	9.65-		141.9	-	255.3	30.4	1.000032	
	5.40	-59.9		130.0	-	252.b	29.3	1.0000.1	
28000.c	82.8	14.0.2		135.5	568.5	251.6	27.3	1 • 000030	
3.00cac	80°	-59.8		132.0		250.7	54.9	1.000079	
59000-6	76.9	0 · 6 ·		126.3		2.005	22.1	1.00nu29	
0.00000	0.77	8. · 6. · I		125.8	569•11	6.745	19.7	1.000028	
•	75.2	7.0.7		123.3	_	241.1	18.3	1.000027	
0.00c0d	- · · ·	S-141		120.8		5.94.3	18.2	1.000027	
6100r.	71.6	5.23		118.4	565.4	250.9	20.8	1.000026	
0.00014	660	5.5.5		116.0	•	458.h	23.3	1.000026	
620nn.0	299	0.5%- 0.5%-		113.0		241.8	17.4	1.000025	
•	0.00	162.		110.1	2•694	265.6	13.3	1.000025	
0.00000	•	1,52.0		107.1	56n•1	204.3	11.8	1.000024	
3500.n	63.5	-60.3		103.7	564.4	308.9	11.7	1.000023	

STATION ALITHUL ID MAY &3	10,1 1	4610.40 F. CHSL 1100 NDT	UPPL: AIR 1.,1A 130022:012 11W 30		v.ODETI	V. ODETIC COGGDIUATES
ASCERS 1. 110	10.		TABLE 15 Contd		106.0	106-49714 LOD DEG
GEONETRAC ALLIAUCE MSL FEET	PPF 550Ft HLL Luares	PRESSURE TELFERATURE ATR DEMPOLATITIEL LUARS DE MELLY, CENTERRUSE	ni L. Him. DENSITY Ser Fu or PERCENT GMZCHAL, SOUMD METER KHOTS	OF ATRU DATA AIRECTION S BEGREES(TN) NO	ntA S EFD RUOTS	TIMEX OF REFRACTION
64000.P	8.10	¿*6';•	100.7 569.8	N 222.11	12.0	1.0000
0.4500.n	£.00	C.5.			8.3	1.000022
1.00000	6.00	£	-		7.3	1.0000.1
0.5500.6 6u000.0	5.75 1.00	5.85. 1.85.	93.4 570.7	7 261.4	F • 0	1.0000.1
0.00000	54.8	P • 0'1-			10.0T	1.000020
67000.0	5.04	-55.6			12.0	1.000019
67500.ñ	54.3	E-#4-		_	17.8	1.000019
₽8110.n	51.0	-54.0			16.8	1.000018
68500.0	ファ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・ ・	0 · 1 · 1		-	15.4	1.000018
69000°) • D +	5.5%.			12.4	1.000017
70000.0	\$ \	±	75.5 577.0	100.7	0.7	1.000017
70500.0	40.4				- c	910u0u-1
71000.0	6.44	-4.3.7			\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	1.000018
71500.0	43.3	-1,3.6		_	2.4	1.000015
7200n.n	46.5	-53.6			C. *;	1.000015
72500.0	41.5	-,3.2			5.0	1.000015
73000.0	* = 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	9.00			0.6	1.000014
0.00047		0.01			13.2	וייטטער:
74500.7	37.6	2000 H	1.67.5 7.00	10/01	ئ د ج د ج	1.000014
75000.0	30.8	-51.5	_		15.6	. 19000.1
75500.0	35.9	1.1.1			13.9	1.000013
70000.0	5:0.1	-50.8			12.2	1.000012
70500.6	34.3	1.05-			12.7	1.00001
7 / 000 - 6	30.0	1.0.1			14.6	1.000012
J.00c//	32.1	/ • t '/-			15.8	1.000011
78000.0	34.0	#*6#F		_	12.A	1.00001
70:00	0.10	0.00		-	10.3	1.000011
0.00067		7.87-		7	۲.	1.000011
0.00000	* 0 * 7 * 0	-18.3	C • #BC	1.69.1	15.5	0100001
A0500.0	2000	5 - 7 - 11		. •		1.000010
81000.0	5/•3	-47.0	5.505 0.45 5.505 0.45	n =		1.000010

MANDATORY LEVELS 13002211012	11W 30		TARIF 16
TATION ALTITUDE "010." P. ET MSL	1100 MDT	~	
TATION ALTITUD	LO MAY 83	ISCENSION NO.	

DETIC COORDINATES 32-ABBRAY LAT DEG 106-49714 LON DEG																										
9, ODETIC COORDINATES 32-88497 LAT DEG 106-49714 LON DEG	1. I.A	KNOTS	15.1	15 g	15, 2	14.3	15,2	27.0	36 3	24.0	24,5	9 97	34.0	41,6	51/3	51.8	30 3	51,7	9 64	30,3	25,8	23, 2	6,4	12,7	10, 3	15 3
	MILL PAIA	DIRECTION OF GRESTIN)	224.1	213.7	201.0	150.3	189.1	211.9	220.9	559.9				226.0	232.8	235.8	0.642	242.0	242.1	239.8	250.5	224.5	292.9	150.5	10000	161.9
	FE L. Huda	F C K C E S I	21.	23.	2H•	3.5	34.	21.	10.	18.	•	21.	21.													
13002211012 13002211012 11W 30 TABLE 16	TEMPERATURE		-1.4	-3.9	-6.3	0.6-	-12.3	-23.5	-28.4	-32.3	-36.4	142.0	-48.B													
TAT	TF MPE	٠	21.0	17.3	11.5	0.9	3	-t-:	-A-1	-13.1	-19.3	-26.3	-34.2	-42.7	L.64-	-53.6	-53.0	-56.3	-60.A	-61.1	-58.9	-63.3	-50.0	-53.9	-52.7	4.8.4
MSL	OPUTE NITAL	FLET	4793.	6503.	8290°	10162.	12133.	14218.	10451.	18859.	21461.	24205.	27412.	30088.	34856.	39583	42402.	45650.	49391.	53947.	58527.	61251.	64389.	68184.	72892.	79045.
JDE 4010-40 F,FT MSL 1100 MDT 12	PRESSURE GEOPOTENTIAL	MILLIPARS	1.50.1	n.00n	750.0	200 و ا	650°0	600.0	1,50.0	-00°	450.0	0.00%	150.0	300∙0	750∙0	500∙0	175.0	150.0	125.0	100.9	80.n	70.0	0.09	٦٠05	40.	30•0
λυτ. 13		~																								

** AT LLAST ONE ASSUMED RELATIVE FRAIDITY VALUE LAS FACED IN THE INTERPOLATION.

SIGHIFICANT LEVEL DATA 1304074	JALLFM	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
STALLON ALTITUDE 4001, 35, Figh Not	10 MAY R3 1730 MU	ASCE(451, 11 (10) 7/1

	OF ODETIC COUNTINATES	33-10712 LAT UEG	106-49511 LON DEG
STGHIFTCAMT LEVIL DATA	13000,0074	JALLFM	TABLE 17
	1230 MT 250		

REL-LABN- PERCENT	17.0 16.0 18.0 23.0 14.0 17.0 20.0 20.0 20.0	
TEMPERATUME AIR DEMPUIN GREES CENTIGEALE	11 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
TEMPE! AIR L	000	
FONETHIC ALTITUNE MSL FELL	4051.6 4760.3 7327.0 10154.7 13370.4 11412.4 18864.1 20152.0 20152.0 50101.9 20152.0 30886.1 30886.1 30610.7 42685.2 43578.6 43578.6 43578.6 43578.6 43578.6 43578.6 43578.6 43578.6 43578.3 40247.7 54026.7 540339.3 61339.3 61339.3	
PŘESSUR, "ILL HARS	871-5-5 855-1-5-5 8610-0-1-5-5 8610-0-1-5-5 8610-0-1-5-5 865-1-5 865-1-5	

STATION ALIITHUL 10 may 113		4651.00 FEET	75 LT		UPPER ATR DAY 1360038074 JALLEN	Day A		v. ODE II.	Couch Bualt S
ASCENSION NO.	~				TABLE 18			106.	33*15/12 AT PF6 106*49511 ON PF6
GEOMETRIC	PRF.S.JURE	TER	TEMPER, TUPE	ICE L. HIM.	DENSITY	SPuEn OF	WIND DATA	4 L	INUFX
MSL FEE	NILLIDARS	_	CENTICRADE	FEMCENII	OM/CORTC METER	5001,D K1401S	0F68LES(74)	SPELD	CP REFRACTION
4n51.C	871.5	25.5	-1.3	17.n	1014.1	1,740	0.40.47	15.0	01000
4500.0	857.9	73.6	7.1	16.4	1005.2	671.8	237.0	16.1	1.000244
7.000c	343.0	21.8	15.6	16.2	993.6	1.694	235.7	16.3	1.000240
0.0000	0.50.1 0.1.5	20.5	1.5-	16.6	9.080	1.899	253.5	16.5	1.000236
0.000	2010	1001	S * 1	17.0	968.0	toph.h	231.4	16.7	1.000232
70007	735.2	16.5	0 - 0 - 0	17.7	# C # C	-	229.3	17.0	1.000229
7500.0	771.2	15.1	7.0-	3.5	030-7	003.5	6.67.0	17.3	1.060225
0.0000	75/03	13.5	7.0-	10.7	910.9		4.50	17.0	1.000212
მა00.ნ	743.6	11.9	1.0-	5.00	907.2	6.500	225.5		612000.
9000.0	730.1	10.4	.•n1 -	:55:	R95.8	656.5	225.6	18.6	1.100011
9500.0	710.9	8 • B	6.01-	23.4	884.4	654.7	225.7	18.9	1.000210
10000.0	0 + 10 /	۲•۲.		ς. 1, 4, 2, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1,	A73.3	652.8	6632	10.2	1.000207
3.0001	630.9	E *	-12.5	6.00	A61.9	e51+0	6.052	19.5	1.0002#3
114,00.0	0.074	•	13.0	ار د ا	A50.4	649.3	217.9	10.0	1.000200
12000.0	65.49	7 P	/ • b) [•	26. 26. 1	H39.1	647.5	<15.4	20.7	1.000197
12500.0	546.7		\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	76.7	5°/29	645.7	c.13.2	21.6	1.000193
13000.0	820.0	-1.7			010°		213.1	22.5	1.000190
13500.0	610.0	40	10.4	\$	795		214.5	23.3	1.000147
14000.0	605-1	2 • 4 -	7.00-	: S : C : C	785.0	C+01.0	0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0		1.000184
14500.0	593.6	-5.5	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	18.1	771.5	2.460	3	* * * * * * * * * * * * * * * * * * *	1.000140
15000.0	582.5	-6.3	-24.0	0 • 4 <u>1</u>	759.	4.00	0.122	10.0 10.0 10.0	1.000176
15500.0	570.0	-7.1	6.42-	1.00	747.2	630.6	200	0.00	2/1000-1
16000.0	7.000 7.000	6-7-	8•02-	15.2	735.0	634.0	250.8	26.6	1.000106
17000	0.00 m	≈ × ×	7-05-	ت ، ج :	723.0	633+h	630.9	27.4	1.000164
17500.n	527.8	7.01-	151.0	(* ;	711.5	n35.0	229.5 208.	28.4	1.0001:1
18000.0	51/.5	-11.3	3.40.5	14.2	694.3		228.1	9 00	80.T000-T
18500.0	507.3	-12.0	-33·U	(· · · · · · · · · · · · · · · · · · ·	676.1	5000	75038 75038	2000	24140A-1
19000.0	497.5	-13.9	-34-1	16.1	667.B	1027.4	< 50.7	25.3	1,10001
19500.0	48/.3	-15.9	0.46	- G	657.5	0500	232.0	24.1	1.000148
200002	٠٠//٥	-10.2	-31.1	16.6	647.3	024.5	4.46.5	23.7	1.000146
0.00cn2	*****		6.11	c • 9 1	6.17.3	1123.2	6.36.8	24.2	1.00014.3
0.00012	2.00.00 0.00.00		- 47 • 5	17.5	6.27.5	621.n	8.96.3	26.1	1.000141
22000.0	0.624) · ·	3.45	\ · / -	6.219	6201-0	7.36.7	28.0	1.000139
7.500.0		5 - 4 C	1.00	 	#* XUU	e18•4	6.37.0	•	1.0001.37
23000.0	407		E		7	111.07		29.6	1.000135
23500.9	413.5		2 · [t _i -	·	0.07.	1012	23/10/2	30.00	1.000152
			•	-		*	こ・コラル	,	

97 ODETIC COGNITIALES 33+12712 LAF 1EG 106+49511 1 ON FEG	A TNUFX SPEED OF NIOTS REFRACTION		-	_	-	1	30.2 1.000120	~				- •	40.6	• -		•		•	_	39.0 1.000093	39.7 1.000002	40.4	1	41.6 1.0000R7			٠ -		-	47.9 1.000075	45.8 I.run073	43.2 1.00071	40.2 1.00007U	37.3 1.000008	34.9 1.0000.7	,	_		38.6 1.00001.1
3	#100 001A 01Rt C110H SI 0EGREES(TN) N	4,	0.052	ಇ. ಕ್ಲ	253.1	230.6	227.3	244.6	5.4.5	0.043	¥ 1037	9550	- 557 - 5457	240.6	4.85.	289.4	200.3	231.1	231.6	511.7	253.4	7,56.2	239.0	291.7	1.0.7	5°17'	242.1	241.9	1.41.7	₽. G₽.5	7.602	2.045	241.9	243.5	0.446	244.6	0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5 0.5	1.60%	220.5
IPPER Alik DAIA 1300038074 JALLEN TASLE 13 Contid	DENSITY SPEED OF GMZCUBIC SOUND METER KNOIS			_	_	_		4.500 / 654	511 4 601.4	_														340.4 581.es	323.0 570.3												286.2 574.5		265-7 575-1
L 1 JAC TAS	NEC. HOM. PERCENT	7 0		20.05	20.0	20.0	20.0	= 0	0.00	0.00	0.02	0.07	16.0**	10.2**	4.5+*																								
4051.00 Frit MSL 1230 MDT 4	TE PERALURE AIR DEMPOLIT DECREES CENTIGRADE	9.6.14						133.0			-37.7 -52.2		-39.8 -55.9		-42.2 -67.3	-43.3	2.44.	1,5,1	5.00 m	# C .	/•//-	148.0 10.00	するから	0.00		-C2-4	-1,3.1	-<3.8		9-7-	9.3% 1.3%	5 * t; t = 0	- ባፋ• ካ	8.4.8	- 55°-	- 15.5	-55-55 -56-53	2 C C C C C C C C C C C C C C C C C C C	-6.5.2
100c	PRESSURE NILLIBARS DECH							10 to															-				220.3 -4.				202. 203.		·		·		170.5 -5		•
STATION ALIITUDE 10 MAY N3 ASCENSION NO.	GEOMLTR, C ALTITUD, MSL FEE!	0000	3,4000	J * 5 (1 C * 7)	3.0005	0.00cc2	750000.	7000.0	7.005/2	20000	25500.0	29000.0	7.9500.p	30000	პ0200- ნ	31000.0	31500.0	32000.0	32500.0	23000.0	33500.0	0.000.0	34500.0	35500.0	36000.0	56500.0	37000.0	37500.0	38000.0	38500.0	0.000c	34500-4	0.0000	40500.0	41000.0	41500.0	47500.0	1000	3500.

** AT LEAST ONE ASSUME OF LATIVE OF IDITY VALUE ANS USED IN THE HILL REPLATION.

STATION ALTITUDE 4651.50 F ET MSL 1360036074 GEORGES 33-16,712 LA ASCENSION 10. 76 106-4951 LO		V["- "IV ~	
JALLETA	STATION ALTITUL "11," 11." F F I MSL	1,50,00,00	Up ODE TIG. COREDI
	10 MAY 83 1230 MOT	JALLEN	33-16/12 LA
			01 [1464-90]

STATION A	STATION ALTITUDE "4" "11" OF ET HSE 10 MAY 83	1230	FI MSE MOT		USONSOBY USONSOBY USELFT	4.1.W		υ, 0ηι ΤΙ 33•	9. 00. 100. CONTINATES 33-16.712 LAT (4.6)
ASCENSION	•			-	TABLE 18 Cont'd	ont'd		lu6.	49511 LON ULG
GEUME TRIC	GEOMETRIC PPESSURE		TE pridatone	10 1 111111	of they of SIN Settle of	See Co. 18		17.4 S.DE.E.S.	Truck
MSL FEE!	HILLIDARS	5	HILLIDARS DECREES CLNFFCRAIN	- - -	W IFR	\$1017	DECREES (TO)	NIJOTS NIJOTS	HEFRACTION
44000.0		1.5.1			7.4.7		235.0	51.7	1.000058
44500.0		6.45-			254.1		1,000	57.1	1.000017
45000.n		1,60.3			248.0	57.3 - 7	255.4	54.5	1.000055
45500.n	1.181	-1.6.7			243.6		235.3	59.5	1.0000.4
46000.0		6.01,-			237.1	572.8	<35.1	58.6	1.000053
46500.0		2.7.5			232.3		2,34.2	53.5	1 • 000052
4 7000.		1.7.4			227.0		5.55.2	4.84	1.0000.1
47500.0		-4.7.7			221.5		6.46.3	45.0	1.00044
48006.0		1,8.0			217.6		237.5	45.0	1.000048
48500.0		7.85	-		212.		641.7	41.6	1.000047
49000.0		2.9.1			207.0		0.142	44.7	1.000045
49500.0		1.65-			202.5		1.11	47.6	1 - 0.00045
00005		7.01			101		: 14		

TATION ALITUDE 10 HAY 63 ASCLISION HO.	74 74	4051.00 F FT MSL 1230 MOT 74	-	UPPLA AIN DAIA 1300030074 JALLEN TYDLE 19 CORUG	• • • • • • • • • • • • • • • • • • •		v. Opt 11. 5.3. 106-	9, OPETTC - COCNDIDATES 53-1,,712 - LAT 14,6 106-4/9311 - LON 1859
GEOMETRIC PRE ALTITUDE MSL FEEI MILL	PRESSURE ILLLOARS	PRESSURE TEMPEMENTEMPOLIT OF MILLIDARS DESKEY (EUTICPADE	AS LANGE DEDSITY PERCENT GM/CURL METER		SECTO OF SOUND KNOTS	WIND DATA LINECTION O	J# CF0 844015	Huufix Ob REFERCTION
0.4000	01.4	7.03-		100.5	569.2	0.600	13.1	1.0000.2
	54.6	ر • ± ± ± = 1 − 1 − 1 − 1 − 1 − 1 − 1 − 1 − 1 − 1		67.6	1.070	2.00.2 2.8.7.	12.7	1.00002
	ر• ۵ς ·	· · · · · · · · · · · · · · · · · · ·		= ^ ; ; ;	Z - E / E	3 50	7 O	1.0000.1
65500.0	1.75	ກ ພ ສຸງ 1 1		3.00	2,070	100.0		1.00.000.1
0.00000	7.00 1.00 1.00 1.00 1.00 1.00 1.00 1.00	-57.3		A7.4	572.3	103.	9.2	1.0000
67000.0	53.5	-45.8		82.2	4.475	100.6	14.3	1.000013
	6.10	11,4.13		9. 26	573.th	10%	14.3	1.000014
	50.7	6.4.1		AU. 4	575.5	110.0	15.2	1.000018
	49.5	C * h'1 -		79.0	3.48	143.7	13.1	1.000018
	40.4	A+47-		77.1	1.676	9.001	12.8	1.000017
64504.6	47.2	-1,4.7		75.5	575.4	107.	10.5	1.00001
70000	40.1	-54.5		73.5	574.6	1/1.7	8.3	1.00001
70500.0	45.0	D-24-4		7.1.7	37000	170.5	7.1	1.000016
	0.11	-54°-		70.1	40.176	,•uΩ1	6.7	1.00010
	43.0	-:\tau-1		68.3	576.45	165.0	3. 0	1.40001
	9.24	6.53-		66.7	576.4A			1.000015
	41.0	-53.A		65.1	577.0			1.00001
	40.0	14,347		63.5	57700			1.000014
	39.1	15,3.5		0.29	577.4			1.000014

94 Ofic T4 _C - COORPIDATES 53+12-712 1 AT 11EG 106+49511 1 OH 11 E	whom that	
HARIDATORY LIVILS 1300030074 JALLEN TABLE 19	FRESCUIRE OF OPUTENTIAL TEMPERATURE REL. HIM.	DEGREES CENTIGRADE TRECHII DIGENTALESTRO FIGURES
STATION ALIINUDE 4051.40 F.ET SL 10 may 13 ASCENSIUN 140. 74	FRESKURE GFORUTENTIAL	MILLINARS FEET U

		AIR	DEWPOIL	F R F F F F F F F F F F F F F F F F F F	D14441101	(1) (1) (1) (1)
MILLINARS	FLLT	DEGREFS	DEGREFS CENTIGRADE		"FGREES (TRI)	1 14013
0.05A	4763.	22.4	14.6	16.	230.7	10.2
1100 t	6475.	17.9	-7-5	17.	#*h~c	u - / 1
750.6	8267.	10.7	3.6-	20.	225.5	10.1
7007	10145.	h.A	-11.8	25.0	2000	
0.069	12121.	c.	-16.0	27.	716.1) I '
ć 00°	14208.	4.1.	6-82-	21.	250.5	0.53
1.50•0	10436.	-n-7	2.0%-	15.	231.0	F. 7.
C+005	18639.	-13.5	-33.9		230.1	e • • • • • • • • • • • • • • • • • • •
450.h	21437.	-19.8	-39.2	- 2-	230.48	, , H
400.0	24262.	-27.4	-43.4	•=~	0.000	ر ح
7.06.	27363.	-35.5	-50.3	•02	0.50	51.2
300.0	30A29.	-43.1			250.5	30.8
250 · r	34708.	-50.1			6.04%	41.4
200∙0	19519.	-54.2			240.5	# t t
175.0	42316.	-54.1			240.5	36.3
150.0	45634	-56•R			2.55.5	54.6
125.0	49367	-59.1			550.9	4.4.6
100.	53859.	-62.0			238.6	44.7
80.n	56400.	-58·4			247.0	4.0.7
70.U	61126.	-63.4			र्मेल•4	7 0.3
69.0	64251.	-58.5			236.8	1 6 A
50.0	66000	() • (, -			130.0	15.7
J • J †	72730.	-53.7				•

** AT LLAST ONE ASSUMED RELATIVE THE IDITY VALUE : AS USED IN THE INTERPOLATION.

